Doc ID 352510 – 104(E) Response - AECOM - Part 7

(This document is a compilation of multiple prior Doc IDs)

DAIMLERCHRYSLER

May 11, 2000

DaimlerChrysler Corporation
Stationary Environmental
and Energy

Tony Martig
DRT-8J
US EPA
77 West Jackson Blvd.
Chicago, IL 60604

Tony,

As we discussed a few weeks ago, we are cleaning portions of plant process piping at our Dayton Thermal Products facility During this work we discovered an in-line oil / water separator Samples collected from residual material in the separator indicted PCB contamination. Additional testing of the inlet pipe indicated residual PCBs as well, but no PCBs were detected in the outlet piping.

The residual material has been removed from the oil / water separator and properly disposed as PCB contaminated material. We are preparing a cleaning plan based on our conversation and request your review of these planned actions.

1 The entire length of inlet process piping will be power-washed and triple rinsed. A sample from the final rinsate will be collected and tested. The cleaning operations will be complete upon achieving concentrations less than 2 ppm.

2. The concrete oil / water separator will also be power-washed and triple rinsed. A core sample will be taken from the separator and tested. The cleaning operations will be complete upon achieving concentrations less than 1 ppm.

3. All cleaning materials and residues will be tested and properly managed, including disposal based on analytical results A report will be kept on file documenting these cleaning operations and results.

We plan to move forward with this project as soon as possible. We look forward to your favorable response. Should you have any questions or comments please feel free to call me at 248-576-7362.

Sincerely,

Gregory M Rose
Sr Manager

DaimlerChrysler Corporation
800 Chrysler Drive CIMS 482-00-61
Auburn Hills MI USA 48326-2757

1A04 6/99

UPS Next Day Air
UPS Worldwide Express
Shipping Document

See instructions on back Call 1-800-PICK-UPS (800-742-5877) for additional information

TRACKING NUMBER J056 2763 13 3

1B04 6/99

1 SHIPMENT FROM

SHIPPER'S UPS ACCOUNT NO. — UPS ACCOUNT NO: 6 4 3 0 5 1 9 6 5 0

REFERENCE NUMBER

NAME: Greg Rose — TELEPHONE: 248-576-7362

COMPANY: DAIMLERCHRYSLER AIR

STREET ADDRESS: 800 CHRYSLER DR

CITY AND STATE: AUBURN HILLS MI — ZIP CODE: 48326 2757

2 EXTREMELY URGENT DELIVERY TO

NAME: Tony Martig — TELEPHONE: 312-353-2291

COMPANY: US EPA DRT-8J

STREET ADDRESS: 77 West Jackson Blvd — DEPT/FLR — Residential

CITY AND STATE (INCLUDE COUNTRY IF INTERNATIONAL): Chicago IL — ZIP CODE: 60604

SHIPPER'S COPY

3 WEIGHT — WEIGHT (ENTER "LTR" IF LETTER): LTR — DIMENSIONAL WEIGHT If Applicable

		CHARGES
4 TYPE OF SERVICE	[X] NEXT DAY AIR [ ] EXPRESS (INT'L)	$
	FOR WORLDWIDE EXPRESS SHIPMENTS Mark an "X" in this box if shipment only contains documents of no commercial value [ ] DOCUMENTS ONLY	
5 OPTIONAL SERVICES	[ ] SATURDAY PICKUP See instructions [ ] SATURDAY DELIVERY See instructions	$
	[ ] DECLARED VALUE Contents are automatically protected up to $100 For declared value over $100 see instructions $ ____ AMOUNT	$
	[ ] COD If COD enter amount to be collected and attach completed UPS COD tag to package $ ____ AMOUNT	$
6 ADDITIONAL HANDLING CHARGE	[ ] An Additional Handling Charge applies for certain items See instructions	$
TOTAL CHARGES		$

7 METHOD OF PAYMENT: BILL SHIPPER [X] — BILL RECEIVER (Next Day Air Only) [ ] — BILL THIRD PARTY [ ] — CREDIT CARD [ ] American Express, Diner's Club, MasterCard, Visa — CHECK [ ] — Record Account No in Section 8

8 RECEIVER'S / THIRD PARTY'S UPS ACCT NO OR MAJOR CREDIT CARD NO — EXPIRATION DATE /

THIRD PARTY'S COMPANY NAME

STREET ADDRESS

CITY AND STATE — ZIP CODE

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9 SHIPPER'S SIGNATURE X [signature] — 5-11-00 DATE OF SHIPMENT

Unless a greater value is declared in writing on this receipt, the shipper declares that the released value of each package covered by this receipt is $100, which is a reasonable value under the circumstances surrounding the transportation. In addition, the maximum value or declared value per package is $50,000 except for packages shipped via a UPS Letter Center in which case the maximum value ... shall not exceed $500 ... the maximum liability per package assumed by UPS ...

Mike Plante <MPLANTE@lbgmn com>@lbgmn com> on 06/06/2000 01 08 39 PM

To "Stanczuk, Gary" <gms9@daimlerchrysler com>
cc

Subject Dayton sewer cleanout

Gary,

Final rinsate analytical from the sewer lines in the south end of Building 40 indicate they are clean The PCB concentration was less than 1 ppm which complies with Greg Rose's "PCB letter" requirement of 2 ppm. Onyx may proceed in grouting these lines Do you want me to contact Onyx or do you want to?

Mike

Michael Plante
Hydrogeologist
Leggette, Brashears & Graham, Inc
1210 West County Rd E, Suite 700
St Paul, MN 55112
651-490-1405 x216
fax 651-490-1006
mplante@lbgmn com

DAIMLERCHRYSLER

May 11, 2000

DaimlerChrysler Corporation
Stationary Environmental
and Energy

Tony Martig
DRT-8J
US EPA
77 West Jackson Blvd.
Chicago, IL 60604

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Sincerely,

Gregory M. Rose
Sr Manager

Tony wanted something that looked a little more like a plan. Few pages - maybe from H&S or PO. See me.

6/7/00

DaimlerChrysler Corporation
800 Chrysler Drive CIMS 482-00-61
Auburn Hills MI USA 48326-2757

DAIMLERCHRYSLER

DaimlerChrysler Corporation

August 2, 2000

VIA FAX and FIRST-CLASS MAIL

Mr. Tony Martig (DT-8J)
U S Environmental Protection Agency-Region V
77 West Jackson Boulevard
Chicago, IL 60604-3507

Re: Voluntary Disclosure of Potential Noncompliance Pursuant to USEPA's Final Policy Statement the "Incentives for Self-Policing: Discovery, Disclosure, Correction and Prevention of Violations"

Dear Mr Martig

Through this correspondence, DaimlerChrysler Corporation is providing voluntary disclosure of potential noncompliance with the federal regulations applicable to the management and disposal of polychlorinated biphenyls ("PCBs") as set forth at 40 C F R Part 761 This disclosure is intended to satisfy the USEPA's Final Policy Statement "Incentives for Self-Policing Discovery, Disclosure, Correction and Prevention of Violations" effective May 11, 2000 (60 *Federal Register* 19618, April 11, 2000)

Background DaimlerChrysler has been engaging in a voluntary cleanup of inactive sewers and separators at its Dayton Thermal Plant (DTP) DaimlerChrysler contracted with Onyx Industrial Services, Inc ("OIS") to conduct the cleanup

In February, another DaimlerChrysler contractor, Leggette, Brashears & Graham (LBG), performed tests on sludge from an inactive sewer line in order to characterize it for waste disposal The results showed that the sludge was a single-phase liquid and that the concentration of polychlorinated biphenyls (PCBs) in the sludge was less than 50 ppm Based on this information, a waste profile was generated

In June, we asked OIS to take a sample from a frac tank containing rinsewater and sludge generated during the cleanout of one of the sewers OIS sampled the material and sent the sample for analysis The analysis showed a 1 5 ppm PCB concentration, consistent with the waste profile generated in February OIS then pumped the waste (approximately 3800 gallons) into a tanker owned by Onyx Environmental Services, LLC ("OES") OES tanker We provided a manifest for the shipment that referenced the waste profile generated in February OES took the waste to its facility in West Carrollton, Ohio

When the waste arrived in at its West Carrollton facility, OES twice sampled the liquid portion of the waste Both samples revealed a 1 5 ppm PCB concentration OES then requested a letter stating that the waste did not

DaimlerChrysler Corporation
800 Chrysler Drive CIMS 482-00-51
Auburn Hills MI USA 48326-2757

contain regulated PCBs DaimlerChrysler provided this letter, which was consistent with the testing results we had received from OIS and LBG

It is our understanding that OES then discovered that there was a substantial amount of sludge in the tanker OES moved the sludge from the tanker into 14 drums OES also transferred the liquid portion of the waste from the tanker into other tanks, where it was commingled with liquid waste from other customers and wastestreams generated on-site at OES's facility

OES then sent some of the commingled waste to another facility in Sauget, Illinois for disposal The Sauget facility tested the commingled waste and found that it had a PCB concentration of 35 ppm The Sauget facility returned the commingled waste to OES's West Carrollton facility

On or about July 5, 2000, OES verbally informed DaimlerChrysler that the commingled waste had been returned, and further that it believed that DaimlerChrysler's waste was the source of the PCBs This information was inconsistent with the results of the samples that LBG and OIS had taken, and OES did not provide documentation on the composition of the wastes with which it had mixed DaimlerChrysler's wastes [1]

OES conducted additional testing during the week of July 10 On July 17, 2000, OES provided DaimlerChrysler with preliminary results from dry weight analyses which documented the presence of PCBs in the sludges/solids at PCB concentrations over 50 ppm

OES has informed DaimlerChrysler that it has already shipped, or soon will ship, any sludges and liquids with a PCB concentration of over 50 ppm to a PCB disposal facility, and that it has decontaminated any materials that came into contact with this waste At no time has there been any release or improper treatment or disposal of DaimlerChrysler's waste, and therefore no other corrective action is necessary or required

We understand that OES has already provided the USEPA with written notice of this situation on or about July 26, 2000 In addition, as you know, DaimlerChrysler representatives participated in the conference call held on July 21, 2000 with yourself and OES and OIS representatives during which this situation was discussed DaimlerChrysler now wishes to provide this voluntary disclosure in writing, and addresses each of the nine conditions of the Final Policy Statement below

Condition No. 1: Systematic Discovery.

Response to Condition No 1 The presence of PCBs in the sewer remediation waste was discovered through a documented compliance management system for remediation projects that reflects DaimlerChrysler's due diligence in preventing, detecting and correcting violations The compliance management system encompasses our systematic efforts to prevent, detect and correct violations through compliance policies, standards and procedures, assignment of responsibility, mechanisms for assuring the policies are carried out, efforts to communicate the policies to all employees, appropriate incentives for complying with the policies, and procedures for the prompt correction of violations The compliance management system includes a Site Remediation Standard Operating Procedures Manual and a Field Practice Quality Assurance Manual

Condition No. 2: Voluntary Discovery.

[1] To date, we have received only partial, and non-validated, data regarding the composition of these other wastestreams

Response to Condition No 2 DaimlerChrysler voluntarily discovered the PCB remediation waste during a remediation project which was conducted by DaimlerChrysler on its own initiative and as part of an on-going effort to clean sewer pipes, sumps and separators

Condition No. 3: Prompt Disclosure.

Response to Condition No 3 DaimlerChrysler promptly disclosed this situation to USEPA As stated above, on or about July 5, 2000, DaimlerChrysler was verbally informed that some of the waste material generated during a sewer remediation project contained low levels of PCBs These analytical results conflicted with earlier results from sampling of the sewer remediation waste, which showed PCB concentrations below the regulatory threshold It also was not clear to what extent this waste may have been contaminated by the other wastes with which it was commingled At that point, there was no reasonable basis to believe that a violation existed without additional sampling and analyses in accordance with the TSCA regulations applicable to multi-phase remediation waste materials

As noted above, additional sampling and analyses of the various phases of the multi-phase remediation waste was undertaken during the week of July 10, 2000 On July 17, 2000, DaimlerChrysler received preliminary results from the dry weight analyses that documented the presence of PCBs in the sludges/solids at concentrations exceeding TSCA regulatory thresholds As of July 17th, we had an objectively reasonable basis to believe that our waste contained over 50 ppm PCBs, and we proceeded to notify the Agency Because this written notice is made within the 21-day period specified in the Final Policy Statement, it is timely and satisfies this condition

Condition No. 4: Discovery and Disclosure Independent of Government or Third-Party Plaintiff.

Response to Condition No 4 As stated above, we voluntarily discovered the PCB remediation waste and immediately began taking steps to notify and involve the USEPA before receiving an information request or inspection visit Indeed, on July 21, 2000, DaimlerChrysler participated in a conference call with you to seek your guidance and to inform you of the situation DaimlerChrysler wants the USEPA's assistance in this matter In addition, DaimlerChrysler is actively working with OES to comply with all applicable management, storage and disposal regulatory requirements We are not aware of any third-party or whistleblower actions and we believe none have been filed

Condition No. 5: Correction and Remediation.

Response to Condition No 5 DaimlerChrysler understands that OES already has, or soon will, arranged for the proper disposal of the PCB remediation waste and decontaminated any materials in contact with this waste Because there have been no releases or improper treatment or disposal of the PCB remediation waste, no other corrective action or remediation is necessary or required

Condition No. 6: Prevent Recurrence.

Response to Condition No 6 DaimlerChrysler is working to ensure this situation does not occur in the future, and may update its compliance management system regarding remediation projects to allow for additional training of employees and improved contractor responsibility/ DaimlerChrysler oversight

Condition No. 7: No Repeat Violations.

Response to Condition No 7 Noncompliance with the TSCA regulations applicable to management and transportation of PCB remediation waste has not occurred previously within the past three years at or from the Dayton, Ohio facility, and has not occurred within the past five years at any of its facilities

Condition No. 8: Other Violations Excluded.

Response to Condition No 8. The situation described in this letter has not resulted in any actual harm, did not present an imminent and substantial endangerment to human health or the environment and did not violate the terms of any governmental order or consent agreement As stated above, there have been no releases or improper treatment or disposal of the PCB remediation waste

Condition No. 9: Cooperation.

Response to Condition No 9 We are committed to cooperating fully with USEPA and will provide such information upon request to USEPA as is necessary to determine applicability with the Final Policy Statement Additionally, DaimlerChrysler has already cooperated with, and actively sought, USEPA's guidance in addressing the underlying issues, including the ultimate disposal of the PCB remediation waste as required by TSCA

Conclusion. DaimlerChrysler is a responsible corporate citizen and takes seriously its obligations to comply with all environmental regulatory requirements As noted above, we are ready and willing to continue to cooperate fully in managing the PCB remediation waste from our Dayton facility in the manner that USEPA deems appropriate

Should you have any questions or need additional information regarding this matter, please contact the undersigned immediately

Very truly yours,

Gregory M. Rose, Senior Manager
Assessment/Deactivation and Remediation Group
Stationary Environmental and Energy Department

cc Kathleen M Hennessey
Jon S Faletto
Gary M Stanczuk

jen\g \c\chrysler\env\day-pcb\cor\usepa 07-24-00 doc

DAIMLERCHRYSLER

Stationary Environmental & Energy

DATE 8/2/00

FAX PAGE(s) 5

FAX TO: Tony Martig

FAX NUMBER (312) 353-4788

FROM Greg Rose

Phone. (248) 576-7362

FAX 248-576-7369
TIE LINE 776-7369

MESSAGE.

ONYX INDUSTRIAL SERVICES, INC.

ONYX

FAX TRANSMITTAL

ONYX INDUSTRIAL SERVICES
6151 EXECUTIVE BLVD.
HUBER HEIGHTS, OH 45424

PHONE: 937-237-1097
FAX: 937-237-1850
FAX: 937-237-3669 (ACCOUNTING & SALES)

TO:	Gary Stanczuk
COMPANY:	DC
FAX NUMBER:	248-576-7369
DATE:	6/27/00
SUBJECT:	Bldg 50 Line Analysis

FROM:	Mike
NUMBER OF PAGES (INCLUDING COVER):	2

MESSAGE: _____

LOCKWOOD LABORATORIES

Certificate of Analysis

1989 - 1999 Ten Years of Excellence

ONYX INDUSTRIAL SERVICES
ATTN: MIKE WEBB
6151 EXECUTIVE BLVD
HUBER HEIGHTS OH 45424

Report Date: 06/21/00

Report Released By:

Ed Lockwood Jr., Pres.

PROJECT: Daimler-Chrysler (Bldg 50)
SAMPLE ID: below
SAMPLE TYPE: Liquid/Grab
SAMPLER: Mike Webb
DATE AND TIME TAKEN: 06/15/00 @ 0800 hrs.
DATE RECEIVED: 06/15/00

LABORATORY ID: below

Sending 1 pg.
Thanks
Ed

ANALYSIS

TEST	RESULTS	UNITS	ANALYST	DATE	METHOD
PCB	below	mg/l	RM	06/20/00	8082

ONYX ID	LAB ID	PCB RESULT
50-A	49536-144	< 0.040
50-B	49537-144	< 0.040
50-C	49538-144	< 0.080
50-M	49539-144	< 0.080

Analyst Comments: The analyst had less than a liter to work with on 49538 and 49539, which resulted in the higher detection limit. The samples were extracted on 06/16/00. All samples had a trace amount of PCB 1260.

1001 East Street • P.O. Box 2728 • Springfield, OH 45501-2728
Tel. (937) 324-0004 - 1-800-308-8001 - Fax (937) 324-8188

TOTAL P 01

Greg M Rose 07/14/2000 05 23 PM

To Gary M Stanczuk/ppr/Chrysler@Chrysler
cc Michael J Curry/ppr/Chrysler@Chrysler

Subject Re Dayton PCB Work Plan

Go ahead and e-mail it to Tony Martig @ EPA Reg V Copy me Ask him for a pre-review and note that we will forward the hard copy if his is good with the report He can respond back to you

His e-mail is Martig Anton@epamail epa gov
Gary M Stanczuk

Gary M Stanczuk
07/13/2000 03 44 PM

To Greg M Rose/frc/Chrysler
cc

Subject Dayton PCB Work Plan

I need you to review and comment on the PCB Work Plan
Thanks

[redacted]
PCB Closure Work Plan d

Sent 8-11-00

PCB Closure Work Plan
Dayton Thermal Products
Dayton, Ohio

Introduction

This work plan is intended to initiate closure of the PCB issue at the Dayton Thermal Products (DTP) plant and to identify the steps that DaimlerChrysler will take to clean inactive sewer lines beneath the plant to eliminate the potential for post-closure releases of PCBs.

During initial cleaning of inactive sewer lines, unanticipated PCBs were detected in some rinsate waters Review of the distribution of PCB detections indicates that their occurrence is associated with plant production areas where use of lubricating and/or hydraulic oils has been observed. Residual oils/sludges may have been trapped in inactive sewer lines, not mobilizing until sewer cleaning activities PCBs have been detected in the liquid, sludges, free phase product, and rinse waters from the sewer lines, and an oil/water separator associated with Buildings 40, 40A and 50 The predominant PCB that has been detected is Aroclor 1254 with only trace amounts of Aroclor 1260

Cleanup Methodology, Sewer Lines

Sewer lines and sumps/separators will be cleaned with a high-pressure water jet with rinse waters collected by a vacuum truck In locations where the sewer line is not accessible by a manhole or floor drain, a sawcut will be made through the concrete to expose the sewer line The sewer lines will then be cut and cleaned with high-pressure water After cleaning, the sewer line will be abandoned and later backfilled and capped with concrete to match the existing floor grade All liquids removed will be placed in frac tanks, properly labeled, and analyzed for PCBs via EPA Method 8082 for proper disposal At a minimum, sewer lines with PCB detections will be triple rinsed and resampled Final rinsate samples will be collected and analyzed for PCBs Rinsing will continue until PCB concentrations in rinsate waters are less than the cleanup goal of 2 ppm

Cleanup Methodology, Separator

The oil/water separator at the southwest corner of Building 50 will be power-washed and triple rinsed All liquids removed will be placed in frac tanks, properly labeled, and analyzed for PCBs via EPA Method 8082 for proper disposal Any flow (process or otherwise) from Building 50 that leads to this

separator will be rerouted prior to final cleaning of the separator and sewer lines in Building 50 If free-product from the Building 50 oil/water separator contains PCBs with concentrations greater than 50 ppm the PCB bulk waste will be removed and incinerated at a permitted PCB waste disposal facility

Since the walls of the separator were uniformly exposed to any potential PCBs two (2) concrete core samples will be sufficient to determine any PCB impacts. One sample would be collected from the upper half of one separator wall (oil leg) and the other sample would be collected from the bottom half of the opposite wall (water leg). The separator will also be visually inspected for cracks, seams, staining, residual material, and overall structural integrity No further cleanup activities are warranted if the concentrations of PCBs in concrete are below the 1 ppm cleanup level

Abandonment

Sewer line and oil/water separator abandonment will begin following the adherence to the above mentioned cleanup standards It is the intent of DaimlerChrysler to pump all cleaned, inactive sewer lines, and the separator at the southwest corner of Building 50, full of grout This will be done though existing manholes, floor drains and sawcuts Additional sawcuts may be needed to gain access to the sewer lines

7/21/00

Told Gary Statement 3rd ¶ doesn't make sense

PCB Closure Work Plan
Dayton Thermal Products
Dayton, Ohio

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The Toxic Substances Control Act plan are not believed to be associated with a spill, and because they were likely used prior to May 4, 1987 (the TSCA policy effective date), the PCB issue is excluded from the strict requirements of the TSCA regulations Although the EPA retains the flexibility to allow less stringent or alternative decontamination measures based upon site specific considerations

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for proper disposal

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GARY
800 818

Onyx Environmental Services, L.L.C.
CWM Resource Recovery, Inc.
PO Box 453
4301 Infirmary Road
West Carrollton, Ohio 45449
Phone: (937) 859-6101
Fax: (937) 859-4671

Please Forward To: KATHLEEN HENNESSEY

From: TONY ROSE

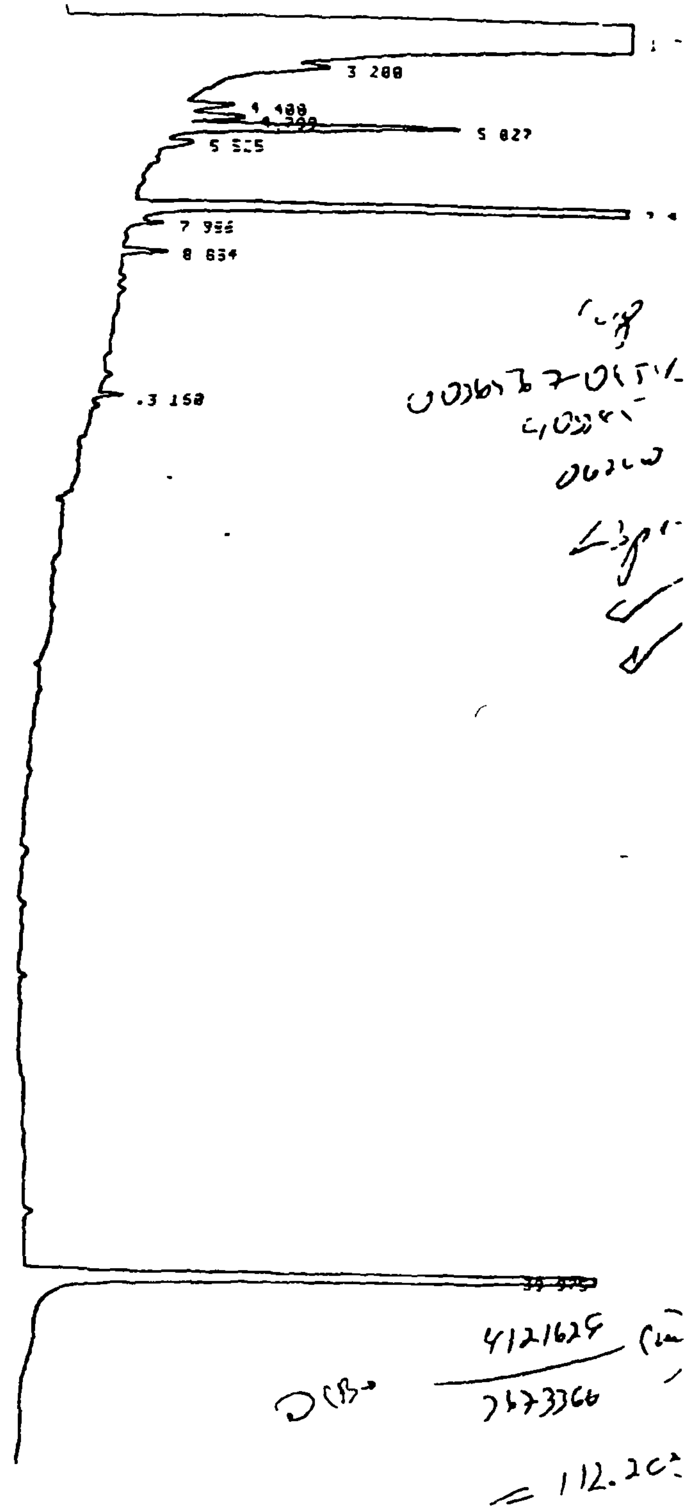
Date: 7-31-00 Time: _____

Urgent ___ Routine ___

Subject: _____ Number of Pages Sent: 5
(including this cover page)

Comments: Please note our Area Code is: 937
THE REST IS WASTE WATER - RECLAIM FROM OTHER SITE-GENERATED STREAMS

If you did not receive the number of pages indicated above, please call us!



TIMETABLE STOP

RUN# 7753 JUN 26, 2000 [illegible]

SAMPLE# 11

HP 5890 [illegible] CH [illegible]

AREA%

RT	AREA	TYPE	WIDTH	AREA%
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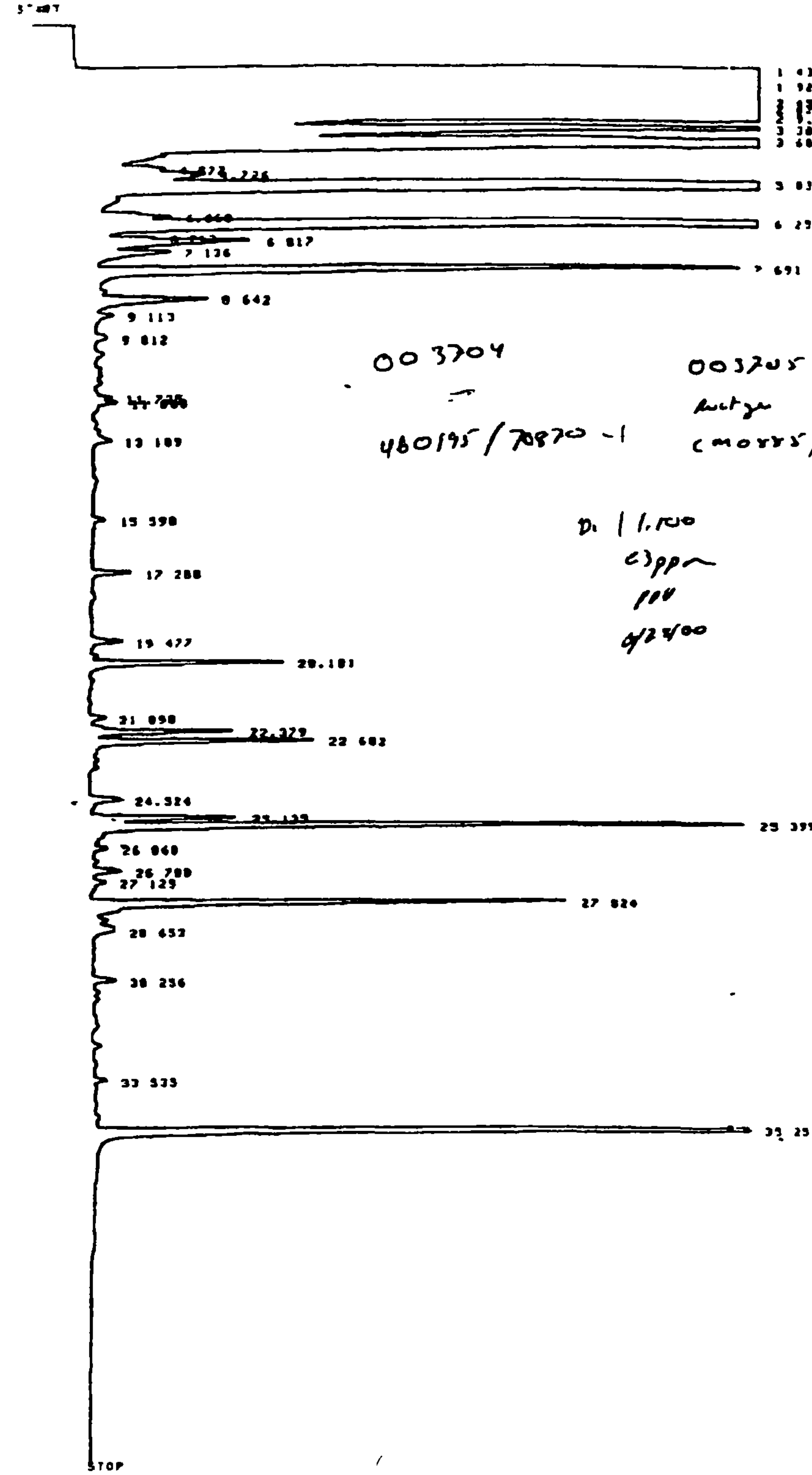
3 280	[illegible]	BP	[illegible]	[illegible]
4 400	[illegible]	PV	[illegible]	[illegible]
[illegible]	149322	[illegible]	[illegible]	[illegible] 85
5 027	[illegible]	[illegible]	[illegible]	[illegible]
5 525	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] 430	[illegible]	PV	[illegible]	[illegible]
[illegible] 966	[illegible]	VB	[illegible]	[illegible]
8 834	[illegible]	BB	[illegible]	[illegible]
13 150	[illegible]	VB	[illegible]	[illegible]
[illegible]	[illegible]	PB		

RUN # 326 JUN 28 2000 10:10:49



RUN # 326 JUN 28 2000 10:10:49

SAMPLE# 1

AREA%

RT	AREA	TYPE	WIDTH	AREA%
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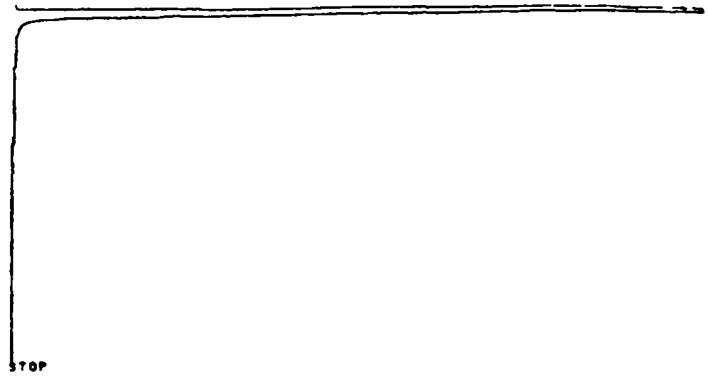
450	756618	VV	149	7 94229
926	1445548	VV	230	15 17422
917	371751	VV	143	3 90275
300	250473	VV	233	2 [illegible]
[illegible]	[illegible]	VV	232	[illegible]



RUN# 326 JUN 20 2000 10:15:49

SAMPLE# 1

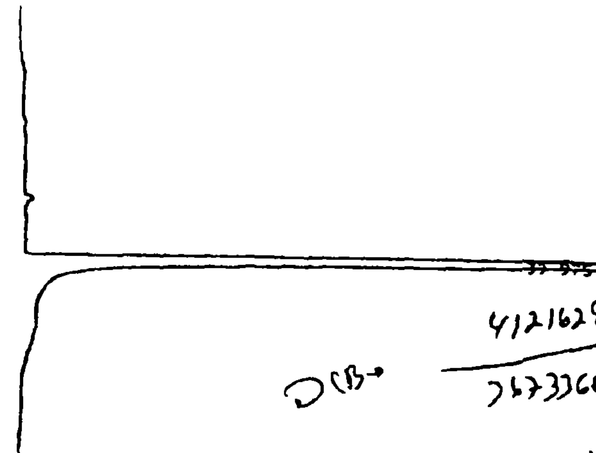
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1 430	2664240	BV	341	27 96718
1 924	1473592	VV	271	15 46861
2 430	756610	VV	149	7 94229
2 626	1445540	VV	230	15 17422
2 917	371751	VV	143	3 90235
3 388	250473	VV	233	2 62927
3.683	594434	VV	232	6 23990
4 577	16160	VV	146	16972
4 726	22007	VV	132	23103
5 835	582420	VV	.214	6 11379
6 060	21146	VV	106	22197
6 251	411746	VV	192	4 32219
6 713	6150	VV	071	06475
6 017	30991	VV	178	.40920
7 136	21444	VP	281	22510
7 691	155279	PB	173	1 62996
8 642	28624	VV	104	30047
9 113	4136	VP	163	04342
9 812	2972	PB	132	03120
11 725	4303	PV	157	04517
11 000	5760	VB	169	06055
13 189	5375	VB	205	05642
15 590	2160	PB	112	02267
17 280	6761	BB	119	07097
19 477	7299	BP	157	07662
20 101	35120	VB	129	36875
21 890	3359	PV	141	03526
22 379	26456	VV	133	27771
22.682	38701	VB	126	40625
24 524	8907	PP	199	09350
25 135	27737	PV	139	29115
25 399	117931	VB	130	1 23795
26 068	2322	BB	117	02437
26 700	5569	BP	140	05846
27 129	2103	PB	122	02208
27 824	93269	PB	141	97906
28 653	7705	VP	255	03020
30 256	4832	BB	.147	05072
33 535	1911	BB	109	02006
35 253	251007	PB	136	2 63487

TOTAL AREA=9 5263E+06
MUL FACTOR=1.0000E+00

1700 251001 945 3775170

63 29



4121629 (w)
DCB = 3673366
= 112.2%

TIMETABLE STOP

RUN# 7759 JUN 26, 2000 10:17:13

SAMPLE# 11

HP 5890 CAP CH 2

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1 739	269930000	>SBB	531	95 53802
3 208	66662	TBP	145	02359
4 400	99289	TPV	182	03514
4 799	149322	TVV	202	05285
5 027	596973	TVV	195	21129
5 525	65524	TVV	203	02319
7 430	7359315	TPV	143	2 60474
7 986	53639	TVB	133	01898
8 834	63337	BB	127	02242
13 160	28995	VB	099	01026
39 975	4121629	PB	171	1 45880

TOTAL AREA=2 8254E+08
MUL FACTOR=1 0000E+00

DAYTON SEWER CLEANOUT SUGGESTED ROLE DESCRIPTION SUMMARY

Re: Sump/Sewer-Line/Separator Cleanout, Abandonment, and Disposal of Associated Solids and/or Liquids

DaimlerChrysler Corporation
Dayton Thermal Products Plant
Dayton, Ohio

For the purpose of clarification, following is a summary description of the roles the various entities will fulfill regarding the subject project

DAIMLERCHRYSLER PURCHASING

DaimlerChrysler Purchasing is responsible for reviewing Onyx Industrial Services, Inc (Onyx) proposals and issuing appropriate Purchase Orders and/or Purchase Order Changes for the subject work **Contact: Keith Coney**

DAIMLERCHRYSLER SITE REMEDIATION GROUP

As the contract holder with the prime contractor (Onyx), DaimlerChrysler Site Remediation Group is responsible for reviewing Onyx's proposals, initiating change orders, directing Onyx's work, and for communications with the Dayton Thermal Products Plant, Onyx, LBG, and DaimlerChrysler Purchasing This role includes a participatory role in addressing various issues as they arise during the course of the work, with authority to authorize additional work under the provisions of the Purchase Order **DC Supervisor: Mike Curry, DC Project Manager: Gary Stanczuk**

DAIMLERCHRYSLER DAYTON THERMAL PRODUCTS PLANT

The Dayton Thermal Products Plant is responsible for approving the location and timing of proposed invasive work, work hours, storage areas, water disposal at the facility's wastewater treatment plant, and other issues as they arise during the course of the work as it relates to potential impacts to plant production areas and schedules, underground utilities, traffic flow, plant environmental requirements and procedures, plant health and safety requirements and procedures, plant security, and other plant issues This role includes frequent, timely communications with Onyx and/or LBG representatives and the DC Site Remediation Group, including transmittal of all pertinent drawings, information, and/or electronic files as requested by Onyx, LBG, and/or DC Site Remediation Group **Primary Contact:** , **Secondary Contact:** **Backup:**

ONYX INDUSTRIAL SERVICES, INC.

As the prime contractor, Onyx is solely responsible for timely completion of the scope of work, as detailed in the Job Specifications, Purchase Order, Bid, and associated DC clauses and requirements Onyx is a specialty contractor, fully qualified to conduct the subject work in a professional and workmanlike manner It is their ultimate responsibility to develop, recommend, and carry out appropriate procedures in the course of completing the work to the satisfaction of DC and/or DC's designated representative At DC's request, Onyx will also conduct remote sensing/monitoring of all underground piping prior to entry In addition, Onyx's role includes frequent, timely communications with the Site Remediation Group, the Plant, and/or LBG, as required

LEGGETTE, BRASHEARS & GRAHAM, INC.

LBG's role is to act as a designated representative of the DC Site Remediation Group for the course of the subject work LBG personnel are authorized by the Site Remediation Group to make routine field decisions on their behalf during the course of the work In this role, LBG personnel will observe, document, and report on the progress of the work In addition, this role includes frequent, timely communications with the Site Remediation Group, the Plant, and Onyx for issues related to the work Such issues may involve discussion and/or assessment of Onyx's work performance, health and safety, proposed work methods, work priorities, and work schedules, any Plant-related issues, goals, or requirements, and Site Remediation Group issues, goals, or requirements In addition, LBG will conduct waste sampling and sample shipment for analyses at a DC contract laboratory In fulfilling this role, LBG will act as a communications liaison between the various entities involved in this work LBG is not a qualified sewer contractor, and as such, will not direct Onyx's work LBG may make recommendations and/or suggestions for Onyx's consideration, as it relates to Plant and/or Site Remediation Group concerns, issues, interests and goals LBG will aid Onyx in the course of the work, to the extent practicable, within LBG's qualifications LBG personnel will not enter any excavations or confined spaces

LBG Project Manager. Ken Vogel, LBG Field Contact:

"Kathy Simmons" <ksimmons@onyxes com> on 07/19/2000 02 39 28 PM

To gms9@daimlerchrysler com
cc

Subject Costs

Sent to you at the request of Tony Rose

(See attached file· disptwi xls)

If you have any problems openıng, please call me at 859-2230.

Thank you,

Kathıe

 - disptwi xls

NO PCB DISPOSAL COST

	Volume	Price	Total
Disposal of liquid Incineration	11,000	1 2	13,200
Drum disposal from Clean out	14	225	3,150
Other customers clean outs	16	175	2,800
Transportation to TWI	3	1,126	3,378
TOTAL			22,528

REVENUE DERIVED FROM CUSTOMERS

Onyx/RR	1,200	1 2	1,440
Reclaim Cuts	1,100	0 6	660
Water Reclaim	2,400	0	0
Clean Outs	1,400	0	0
Water Disposal	1,900	1 2	2,280
TOTAL			4,380

TABLE OF CONTENTS

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(continued)

TABLE OF CONTENTS
(continued)

PLATE
(at end of Request for Bid document)

Plate

1 Sewer Cleanout Map

May 11, 2000

Tony Martig
DRT-8J
US EPA
77 West Jackson Blvd
Chicago, IL 60604

Tony,

As we discussed a few weeks ago, we are cleaning portions of plant process piping at our Dayton Thermal Products facility During this work we discovered an in-line oil / water separator Samples collected from residual material in the separator indicted PCB contamination. Additional testing of the inlet pipe indicated residual PCBs as well, but no PCBs were detected in the outlet piping

The residual material has been removed from the oil / water separator and properly disposed as PCB contaminated material We are preparing a cleaning plan based on our conversation and request your review of these planned actions

1 The entire length of inlet process piping will be power-washed and triple rinsed A sample from the final rinsate will be collected and tested The cleaning operations will be complete upon achieving concentrations less than 2 ppm

2 The concrete oil / water separator will also be power-washed and triple rinsed A core sample will be taken from the separator and tested The cleaning operations will be complete upon achieving concentrations less than 1 ppm

3 All cleaning materials and residues will be tested and properly managed, including disposal based on analytical results A report will be kept on file documenting these cleaning operations and results

We plan to move forward with this project as soon as possible We look forward to your favorable response Should you have any questions or comments please feel free to call me at 248-576-7362

Sincerely,

Gregory M Rose
Sr Manager

BCC Mike Webb/Onyx Industrial Services
Kathleen Hennessey/Daimler Chrysler

JUL 28 2000

GENERAL COUNSEL'S OFFICE

ONYX ENVIRONMENTAL SERVICES

ONYX

July 26 2000

Mr Tony Martig
Waste Management Branch, DRP-8J
Waste, Pesticides and Toxics Division
Region V USEPA
77 W Jackson Blvd
Chicago, IL 60604

Subject: PCB Notification

Dear Mr Martig

This letter serves as a follow up to Onyx Environmental Services, L L.C 's (OES) July 19, 2000 notice per "Incentives for Self-Policing Discovery, Disclosure, Correction and Prevention of Violations ' 65 FR 19618, regarding the possibility that OES violated certain TSCA regulations by accepting wastes later learned to have PCBs at potentially regulated levels

Below is a chronological report regarding the acceptance, analytical, storage and final disposition of the various waste streams involved in this matter

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations

Sincerely,

Anthony J. Rose
General Manager
Onyx Environmental Services, L L C

cc Greig Seidor/Onyx
Jeff Smith/OEPA SWDO

PART I Acceptance and Storage

On. June 19. 2000. Dayton Thermal shipped Onyx Environmental Services. L L C (OES) in West Carrollton. Ohio. a tanker of wastewater containing small traces of Trichloroethene under Manifest #61900 (Attachment 1) and Wastestream Information Profile (WIP = 448314 (Attachment 2) The WIP was signed by the generator on February 25. 2000 and approved for acceptance into the facility on March 1. 2000

Upon arrival June 19, 2000). the waste. which comprised approximately 3800 gallons. was sampled and the analyses required pursuant to the facility's Waste Analysis Plan (WAP) conducted on the tanker contents During the analytical process, the analyses showed PCB Arochlor 1254 to be present (Attachment 3) It is the facility's policy to re-sample when there are positive hits for PCBs Therefore. the tanker was re-sampled and again exhibited Arochlor 1254. at 1 5 ppm (Attachment 4) The customer was contacted and sent to the facility a letter stating that the material did not come into contact with TSCA regulated waste (Attachment 5) This letter allowed the facility to continue to handle the waste as a non-TSCA-regulated waste.

Therefore. on June 20, 2000. 3000 gallons of waste material from the Dayton Thermal tanker were unloaded into D-15. a 10,000 storage tank used to store wastes destined for RCRA incineration This addition brought the tank volume of D-15 to 4.200 gallons. all destined for incineration

An additional 800 gallons of sludge remained on the incoming Dayton Thermal tanker This sludge was too thick to be unloaded onto Tank D-15 In order to fully empty the tanker this sludge was vacuumed out into a vacuum truck and then was drummed off into 14 55-gallon drums

During the period from June 20 through June 26. 2000. 4400 gallons of liquid waste were added to tank D-15 This brought the tank to a total volume of 8600 gallons

On June 28. 2000. 100 gallons of sludge were removed from the bottom of D-15. so that some of the tank's contents could be pumped onto a tanker (#312018) This removal reduced the volume of D-15 to 8500 gallons On that same day, the facility placed 2400 gallons of waste from Tank D-15 into an outbound tanker. Tanker # 312018. to be sent to Onyx Environmental Services. L L C , in Sauget. IL. for incineration. Tanker 312018 already contained 1900 gallons of waste destined for incineration from another customer This offload left 6100 gallons of waste material in tank D-15 This tanker left West Carrollton on June 29, 2000 for the Sauget incineration facility

On June 29 2000. 500 gallons from Tank D-2 was transferred into D-15, and fifty gallons from another tanker was offloaded into tank D-15 on June 30. 2000 As of June 30. 2000. the final volume of D-15 was therefore 6650 gallons On this date. D-15 was locked out and no additional waste was thereafter added to the tank

As noted above. Tanker 312018 was sent to OES in Sauget. IL on June 29. 2000, containing 4300 gallons of liquids for incineration Upon arrival at the Sauget facility , a PCB analysis was performed. which detected PCBs at 35 ppm. The load was rejected back to OES West Carrollton. on June 30. 2000. on Illinois Manifest # IL7147592 (Attachment 6) and arrived at OES West Carrollton on the same day The tanker has remained at the West Carrollton facility since July 20. 2000 and no additional wastes have been placed in it

After the West Carrollton facility was informed of the Sauget analytical results, it decided to find out (1) why the PCB level at OES Sauget. IL had differed from its own previous analytical results and (2) from what source the PCBs originated The facility's tank logs were reviewed to track the material that went into D-15: the facility has documented that Dayton Thermal was the only customer whose wastes contained PCBs The Dayton Thermal retention sample was reanalyzed using the dry weight method and PCBs were detected in the sludge at 270-ppm (Attachment 7)

On June 29. 2000. the retention sample from tanker 312018 was analyzed for PCBs on the sludge phase using the wet method and PCBs were detected at 69 ppm (Attachment 8)

PART 2 CONTAMINATION

The facility then decided that it needed to determine the extent of PCB contamination The following table details the amounts of waste that came into contact with the Dayton Thermal material

DATE	AMOUNT	SOURCE	RESULTS PPM (Dry Weight)
6/20/00	14 – 55 gallon drums (3 drums chosen at random for PCB analysis)	Sludge from clean out of incoming Dayton Thermal Tanker, by use of vacuum tanker	Drum 1 3 69 Drum 2 6 87 Drum 3 23 06
6/28/00	2 – 55 gallon drums	Sludge from bottom of tank D-15	696 07
TBD	17 – 55 gallon drums (composite sample)	Subsequent customers' wastes (contained in drums), which wastes were loaded onto the vacuum truck used to remove sludges from the Dayton Thermal load before the vacuum truck was decontaminated	4 samples still out 10 drums had 5 82 PPM*

The vacuum tanker was cleaned using a PCB product called "Capture" Wipe tests were taken of the tanker's interior surfaces. in accordance with 761 79(b)(3)(ii)(A) All results were less than 100ug/100 cm squared (Attachment 9) Two drums of rinsate were generated . they were found to have 1 ppm PCBs (Attachment10)

On July 20. 2000. a sample taken from the bottom of D-15 was determined to have 66 ppm PCBs on a dry weight basis (Attachment 11) A core sample was taken from D-15 by a collawasa. which showed the tank had three phases The top layer consisted about 3% of the tank volume. the center water layer consisted of 92 % of the tank volume and had suspended solids at 3 46%, and the bottom sludge phase consisted of 5% of the tank volume The center water phase was analyzed using the dry weight method and PCBs were detected at 70 87 ppm A1254 (Attachment 12)

Tanker 312018 was re-sampled on July 25 2000 and the water phase. with suspended solids at 1 41%, was analyzed by the dry weight method PCBs were detected. at <3 ppm A1254 (Attachment 13).

PART 3 DISPOSAL AT TSCA REGULATED FACILITY

Sixteen sludge drums (14 from the incoming tanker cleanout. and 2 from the tank bottoms removed on June 28. 2000 from D-15) were sent to be incinerated on July 18. 2000 to Onyx Environmental Services. L L.C. in Pt. Arthur. Texas. a TSCA regulated incinerator

The 6650 gallons in tank D-15 and the 4300 gallons of material on tanker 312018 will also be sent to Onyx Pt Arthur for incineration

Per the guidance received from Tony Mariz during the July 20, 2000 conference call. the 17 drums of other customers waste which were loaded onto the vacuum truck after it was used to offload the 800 gallons of sludges from Dayton Thermal and before it was decontaminated. will go to fuels blending at the Onyx West Carrollton facility. if analyses show they contain less then 50 ppm. If any of the 17 drums are found to have PCBs greater than or equal to50 ppm. the entire batch will be sent for TSCA incineration. since they all came from the same source

PART 4 DECONTAMINATION

In accordance with 40 CFR 761 79 (C) (1 . Onyx Environmental Services, L L C will decontaminate tank D-15 and Tanker 312018, by following the self-implementing decontamination procedures. The internal surfaces of tank D-15 and Tanker 312018 will be flushed three times with a solvent containing < 50 ppm PCBS Each rinse shall use a volume equal to 10% of the capacity of the vessel

ATTACHMENT 1

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: OHD074703547 Manifest Document No: 16190 0

2 Page 1 of 1 | Information in the shaded areas is not required by Federal law

3 Generator's Name and Mailing Address
CHRYSLER DAYTON THERMAL
1600 WEBSTER ST., DAYTON, OH 45404
4 Generator's Phone (937) 224-2467

A. State Manifest Document Number

B State Generator's ID

5 Transporter 1 Company Name: ONYX INDUSTRIAL SERVICES, INC.
6 US EPA ID Number: OHD986986040
C State Transporter's ID
D Transporter's Phone 937-237-1097

7 Transporter 2 Company Name
8 US EPA ID Number
E. State Transporter's ID
F Transporter's Phone

9 Designated Facility Name and Site Address
ONYX ENVIRONMENTAL
4301 INFIMARY ROAD
WEST CARROLLTON, OH 45459
10 US EPA ID Number: OHD093945293
G. State Facility's ID
H Facility's Phone 937-859-6101

	11 US DOT Description (Including Proper Shipping Name Hazard Class and ID Number)	HM	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I. Waste No
a	RQ,HAZARDOUS WASTE LIQUID,N.O.S.,9,NA3082), III,(D040) (TRICHLOROETHYLENE)	X	001	TT	APPROX 3800	G	D040
b							
c							
d							

GENERATOR

J Additional Descriptions for Materials Listed Above
ALSO D039

K. Handling Codes for Wastes Listed Above

15 Special Handling Instructions and Additional Information
WHIP NUMBER 448314
IN CASE OF EMERGENCY (937) 237-1097 ERG# 171

16 GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage or disposal currently available to me which minimizes the present and future threat to human health and the environment OR if I am a small quantity generator I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford

Printed/Typed Name: PETER R SCHOEPFLIN | Signature: Peter R Schoepflin | Month Day Year: 06 11 00

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROBERT W. MOOR | Signature: Robert W. Moor | Month Day Year: 06 11 00

18 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Discrepancy Indication Space

20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: LINDA L. JARVIS | Signature: Linda L Jarvis | Month Day Year: 06 11 00

Style F15 Labelmaster An American Labelmark Co Chicago IL 60646 (800) 621 5808

EPA Form 8700 22 (Rev 9 88) Previous editions are obsolete

ATTACHMENT 2

4548739

Waste Management

AETS/CWM

3 Giralda Road, Flanders, New Jersey 07836 • Phone 973-347-7111

WASTESTREAM INFORMATION PROFILE

Decimal Code

Recert Person
AETS/CWM LOCATION _____ OFFICE _____ CITY _____ ST _____
Invoice Address

AETS TSDF requested Deer Park Technology requested Bulk Blend Generator No _____ Generator EPA ID No. OHD 077703547

1 Generator Name Daimler Chrysler Generator State No. _____

Address 1600 Webster St State Wastestream No. _____

City Dayton State OH Country USA ZIP 45404

NAICS (SIC) Code _____ Source _____ Origin _____ Form _____ System Type _____

2 Waste Name Purge Water Lab or Waste Area _____

3 Process Generating Waste Ground Water Sample Purge Water

4 Shipping Name Hazardous Waste Liquid, N.O.S.

Hazard Class 9 UN/NA No. 3082 PG III RQ amt 100 lb

RQ Desc: 1. 2.

DOT Desc: 1. 2.

5 Waste Codes D040, D043, D039

Wastewater _____ Non Wastewater X Sub Category _____

6 Physical and chemical properties (check all that apply)

pH
a ___ < 2
b ___ 2 5
c X 5 9
d ___ 9 - 12.5
e ___ > 12.5
_____ exact

Specific Gravity
a ___ < .8
b ___ .8 - 1.0
c X 1.0
d ___ 1.0 - 1.2
e ___ > 1.2
_____ exact

Flash Point (F)
a ___ < 80
b ___ 80 - 100
c ___ 101 - 140
d ___ 141 - 200
e ___ > 200
f X no flash _____ exact

Solids
_____ % suspended
_____ % settleable
_____ % dissolved
_____ % ash
_____ water solubility
_____ BTU/lb
Free Liquid Range 90 % to 100 %

Physical State
a ___ solid
m ___ semi-solid
l X liquid
p ___ pumpable semi-solid
f ___ flowable powder
g ___ gas
a ___ aerosol
r ___ pressurized liquid
d ___ debris per 40 CFR 268.45
h ___ sharps

Hazardous Characteristics
a ___ air reactive
w ___ water reactive
c ___ cyanide reactive
f ___ sulfide reactive
e ___ explosive
o ___ oxidizing acid
p ___ peroxide former
r ___ radioactive or NRC regulated
s ___ shock sensitive
t ___ temperature sensitive
m ___ polymerization/monomer
n ___ OSHA carcinogen
i ___ infectious
h ___ inhalation hazard
Zone: A B C D

Odors
a none X
b mild ___
c strong ___
describe _____

Halogens
Br ___ % Bromine
Cl ___ % Chlorine
F ___ % Fluorine
I ___ % Iodine

Layers: a ___ multilayered: b ___ bi-layered: c X single phase:

Viscosity by Layer	Top Layer	Second Layer	Bottom Layer
	___ high (syrup)	___ high (syrup)	___ high (syrup)
	___ medium (oil)	___ medium (oil)	___ medium (oil)
	___ low (water)	___ low (water)	___ low (water)
	___ solid	___ solid	___ solid

Color
_____
_____
_____

Used oil y/n ___ HOC<1000 ppm ___ or > 1000 ppm ___

WIP NO. 448314

Chemical Composition (M = Marine Pollutant, S = Severe Marine Pollutant, O = Ozone Depleting Substance, L = Underlying Hazardous Constituent,
B = Benzene NESHAP, T = TRI Chemical, C = OSHA Carcinogen)

Constituents	Range	Units		Constituents	Range	Units
Water	100	%				
See Analytical						

Total Composition Must Equal or Exceed 100%

Other

8. Is the wastestream being imported into the USA? Yes ___ No X
9. Does the wastestream contain PCBs regulated by 40 CFR? Yes ___ No X
   PCB concentration ________ ppm
10. Is the wastestream subject to the Marine Pollutant Regulations? Yes X No ___
11. Is the wastestream subject to Benzene NESHAP? Yes ___ No X
    If yes, is the wastestream subject to Notification and Control Requirements? Yes ___ No X
    Benzene concentration ________ ppm
12. Is the wastestream subject to RCRA subpart CC controls? Yes ___ No X
    Volatile organic concentration, if known ________ ppmw
    CC approved analytical method ________ Generator Knowledge ________
13. Is the wastestream from a CERCLA or state mandated cleanup? Yes ___ No X

14. Container Information (Identify UN container marking if known)

Packaging: Bulk Solid ___ Type/Size ________ Bulk Liquid X Type/Size ________ Drum X Type/Size ________

Other ________

Shipping Frequency: Units 2 Per Month ________ Quarter X Year ________ One Time ________ Other ________

15. Additional Information:

____

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize sampling of any waste shipment for purposes of recertification.

X Joe Whitlock — NAME (PRINT OR TYPE) | 224-2467 — PHONE | 2/25/[illegible] — DATE

X [signature] — SIGNATURE | Env. Coordinator — TITLE

FACILITY NOTIFICATION

If approved for management, AETS/CWM has all the necessary permits and licenses for the waste that has been characterized and identified by this profile.

TSDF PROCESSING USE ONLY: PPE REQUIRED No ___ Yes ___ Describe ________

WIP NO. 448314

LEGGETTE, BRASHEARS & GRAHAM, INC.

PROFESSIONAL GROUND-WATER
AND ENVIRONMENTAL ENGINEERING SERVICES

1210 WEST COUNTY ROAD E
SAINT PAUL, MN 55112

(651) 490-1405 FAX (651) 490-1006

DATE. 2/24/00

PAGES: 20
(Includes cover page)

TO: Mike Webb

FAX #: 937 - 237-1850

COMPANY: Onyx

TO:

FAX #:

COMPANY:

TO:

FAX #:

COMPANY:

FROM: Mike Plante / Dave Strand

RE: Drum 1 and 2 analytical report (signed by lab) for disposal purposes.

Please contact Kathleen Weinrich (651) 490-1405 if transmission is incomplete or can not be read.

fax TRANSMITTAL

ORGANIC QA/QC

Kemron

KEMRON Environmental Services, Inc
LIST OF VALID QUALIFIERS (qual)
December 10, 1998

Qualifier	Description
A	See the report narrative
NA	Not applicable
+	Correlation coefficient for the MSA is less than 0.995
<	Less than
>	Greater than
B	Present in the method blank
C	Confirmed by GC/MS
*	Surrogate or spike compound out of range
CG	Confluent growth
D	The analyte was quantified at a secondary dilution factor
DL	Surrogate or spike was diluted out
E	Estimated concentration due to sample matrix interference
F	Present below nominal reporting limit (AFCEE only)
FL	Free liquid
I	Semiquantitative result, out of instrument calibration range
J	Present below nominal reporting limit
L	Sample reporting limits elevated due to matrix interference
M	Duplicate injection precision not met

Qualifier	Description
N	Tentatively Identified Compound (TIC)
ND	Not detected at or above the reporting limit (RL)
NF	Not found
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentration > 25% difference between the two GC columns
QNS	Quantity not sufficient to perform analysis
R	Analyte exceeds regulatory limit
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TNTC	Too numerous to count
U	Analyzed for but not detected
W	Post-digestion spike for furnace AA out of control limits
Z	Can not be resolved from isomer See below

Special Notes for Organic Analytes

1 Acrolein and acrylonitrile by method 624 are semiquantitative screens only.
2 1,2-Diphenylhydrazine is unstable and is reported as azobenzene
3 N-nitrosodiphenylamine cannot be separated from diphenylamine.
4 3-Methyphenol and 4-Methyphenol are unresolvable compounds
5 m-Xylene and p-Xylene are unresolvable compounds
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 C F R Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

KEMRON ANALYST LIST

Ohio Valley Laboratory

12/14/99

ALT - Ann L. Thayer
ARS - Angelina (Nina) R. Scott
BKL - Brian K. LeMasters
BRG - Brenda R. Gregory
CAG - Cheryl A. Graham
CAK - Cheryl A. Koelsch
CBN - Charles B. Neff
CEA - Carla E. Allen
CEB - Chad E. Barnes
CLC - Chrys L. Crawford
CLK - Carl L. King
CLW - Charissa L. Winters
CMS - Crystal M. Stevens
CPA - Cliff P. Asher
CRC - Carla R. Cochran
CSH - Chris S. Hill
CWS - Clark W. Stanley
DAM Dan A. Musgrave
DAS - Dallas A. Sullivan
DAT - Debbie A. Torres
DEL - Don E. Lightfritz
DEV - David E. Vandenberg
DGB - Douglas G. Butcher
DLH - Deanna L. Henson

DLA - Denise L. Adams
DLB - David L. Baumgarner
DLN - Deanna L. Norton
DLP - Dorothy L. Payne
DLR - Dianna L. Rauch
DMD - David M. Dye
DST - Dennis S. Tepe
EAW - Elizabeth (Beth) A. Weber
ECL - Eric C. Lawson
ELE - Elizabeth (Betsy) L. Eagle
FEH - Fay E. Harmon
GWH - George W. Hutchinson
GSG - Gates S. George
HV - Hema Villasagar
JCR - Jennifer C. Randall
JDG - Jonathan D. Graziani
JDN - Jamie D. Newell
JKM June K. Morris
JKW - Jane K. Warden
JLH - Janice L. Holland
JMW - John M. Ware
JRM - Jay R. McDougal
JMT - Joy M. Thomas

JWR - John W. Richards
JWS - Jack W. Sheaves
JYH - Ji Y. Hu
KEB - Katie E. Barnes
KHR - Kim H. Rhodes
KRA - Kathy R. Albertson
KSL - Kelly S. Lauer
LKM - Laura K. Morris
LLH - Laura L. Hinton
LSA - Lucinda (Cindy) S. Arnold
LSB - Leslie S. Bucina
MDA - Mike D. Albertson
MDC - Michael D. Cochran
MDG - Melissa D. Grimes
MEF - Mike E. Flanagan
MES - Mary E. Schilling
MPB - Mike P. Barrow
MLS Michael L. Schimmel
MMB - Maren M. Beery
MSW - Matt S. Wilson
NJB - Natalie J. Booth
PML - Paula M. Leidy
RDC - Rebecca D. Catlip

RLF - Ron L. Fertile
RLK Robert L. Kyer
RJW - Rhonda J. Wieteldt
RLW - Ron L. Watson
RSH - Renee S. Haines
RSS - Regina S. Simmons
RWC - Rod W. Campbell
SJK - Sindy J. Kinney
SLP - Sheri L. Pfalzgraf
SLT Stephanie L. Tope
SMW - Shauna M. Welch
SPL - Steve P. Learn
SPS - Steve P. Swatzel
TJH - Tim J. Hoeflich
TLB Tracy L. Baldwin
TLD - Teresa L. Davis
TMM - Tommy M. Morris
TRS - Todd R. Stack
VC - Vield Collier
VMN - Vincent M. Nedoff

Order # 00-02-176
February 17, 2000 04:09 pm

KEMRON ENVIRONMENTAL SERVICES
WORK GROUPS

Work Group	Run ID	Sample	Dil Type	Matrix	Product	Method	Date Collected	Department
WG71838	R82665	L0302126	01	Water	PCB	8082/3550	01 FEB 2000	Extraction
WG71838	R82666	L0302126	02	Water	PCB	8082/3550	01 FEB 2000	Extraction
WG72898	R82669	L0302126	01	Water	PCB	8082/3550	01 FEB 2000	Semivolatile GC
WG72898	R82669	L0302126	02	Water	PCB	8082/3550	01 FEB 2000	Semivolatile GC
WG72186	R82884	L0302126	01	Water	Volatile Organics	8260B	01 FEB 2000	Volatile GC/MS
WG72186	R82884	L0302126	02	Water	Volatile Organics	8260B	01 FEB 2000	Volatile GC/MS
WG72186	R82884	L0302126	03	Water	Volatile Organics	8260B	01 FEB 2000	Volatile GC/MS

KEMRON Internal Laboratory Chain of Custody

Work Order: L0002126 Client: CAMP # of Samples: 3 Due Date: 2/14/ Page:

Sample #	Analysis	Reason	Removed By ADT	Removed From	Moved To	Relinq by	Rec'd By ADT	Rec'd To	Rec'd By	Reason
1-3	8260	[illegible]	MEK 2/4/00 0600	V-1	VOA	TLB	[illegible] 2/[illegible]/00 1645	Archive	[illegible]	Archive
1,2	Pest/RB	SxF	[illegible] 2/7/00 0800	walk-in	SHD	TLB	[illegible]	[illegible]	TLB	[illegible]

DAIMLERCHRYSLER

Chain-of-Custody 0629 B

1st Qtr GW SAMPLING

KEMRON	Project Name: DAYTON THERMAL PRODUCTS	Consultant: LBG	
109 Starlite Park	Site Location: 1600 WEBSTER ST. DAYTON OH	Address: 1210 WEST COUNTY RD E	
Marietta OH 45750	Site Code: SC001	ST. PAUL MN	
Phone Number: 740-373-4071	RFA Number: Y6QP2000203	Consultant PM: KEN VOGEL	
Fax Number: [illegible]	DaimlerChrysler PM: GARY STANCZUK	Phone: 651.490.1405 Fax: 1006	

Turn-around Time Request (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
(14 calendar days) — circled

Data Package Deliverables (circle)
(DaimlerChrysler Level 1) — circled
DaimlerChrysler Level 2
CLP

Matrix Code: [illegible] ... Other (specify): H2O (QC WATER)

Field Sample Identification	Date Collected	Time Collected	Grab/Composite	Matrix Code	Number of Containers	VOC 8260 / 40ml / HCL	TCL PCBs / 8082 / 1000ml / amber / none	Remarks
WLDRUM1	2/3/00	1333	G	GW	5	X	X	GW SAMPLING PURGE WATER
WLDRUM2	2/3/00	1347	G	GW	5	X	X	GW SAMPLING PURGE WATER
WLT020300	—	—	—	O	2	X		Cooler #19

C of C Verified [illegible]

Sampler(s): Chris Hoffman
Cooler ID #: 19
Samples Relinquished under Airbill No.: 816227460926
Temperature (corrected): -0.2 (15x9)

Relinquished by: Christopher L. Hoffman — Date: 2/3/00 — FEDEX
Received for Laboratory by: Wanda Gregory — Date: 2/4/00 — Time: 1008 — Yes (circled)

Is RFA sampling complete? (Yes) No

SDG203C

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy Data package; Yellow Retained by laboratory; Pink Retained by sampler

SDG 203B is not final SDG as previously indicated

Revision No. 3
Created July 9 1999

Kemron Environmental Services -OVI

Volatile Quality Control Summary

Workgroup #: WG12186	Run Date: 3/13/00	Sample Name: .0000075 07		LCS DF:	1
Methods: 8260	Instrument ID: HP5973	Sample FLNM: 9947297.D		Sample DF:	1
Matrix: WATER	BLK FLNM: 9947295.D	MS FLNM: 9947298.D		MS DF:	1
Units: ug/l	LCS FLNM: 9947296.D	MSD FLNM: 9947299.D		MSD DF:	1

		CONCENTRATION, PPB							PERCENT RECOVERY									PERCENT RPD		OUTLIERS					
	MDL	Blank	LCS	LCS Spike Level	Sample	MS	MSD	MS Spike Level	Blank	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	MS RPD	RPD UCL	Blank	LCS	Sample	MS	MSD	RPC
Target Analytes	ug/L	ug/l	ug/L	ug/l	ug/l	ug/l	ug/l	ug/l	%	%	%	%	%	%	%	%	%	%	%						
dichlorodifluoromethane	0.25	ND	13.96	20.0	1.46	13.12	11.94	20.0	ND	69.8	10.0	153.0	1.5	58.2	52.3	10.0	153.0	9.4	47.0						
chloromethane	0.36	ND	21.78	20.0	ND	20.29	19.21	20.0	ND	108.9	49.0	129.0	ND	101.5	96.1	49.0	129.0	5.5	30.0						
vinyl chloride	0.40	ND	20.38	20.0	ND	17.63	16.92	20.0	ND	101.9	57.0	133.0	ND	88.2	84.6	57.0	133.0	4.1	30.0						
bromomethane	0.35	ND	14.11	20.0	ND	12.30	12.97	20.0	ND	70.6	58.0	140.0	ND	61.5	64.9	58.0	140.0	5.3	39.0						
chloroethane	0.22	ND	21.83	20.0	ND	19.73	18.84	20.0	ND	109.2	69.0	126.0	ND	98.6	94.2	69.0	126.0	4.7	27.0						
trichlorofluoromethane	0.46	ND	17.73	20.0	ND	17.35	16.63	20.0	ND	88.7	67.0	152.0	ND	87.8	83.1	67.0	152.0	5.1	22.0						
isoprene	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acrolein	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1,1,2-trichloro-1,2,2-trifluoroethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
acetone	1.04	ND	26.51	20.0	2.61	27.92	27.78	20.0	ND	132.6	40.0	192.0	2.61	125.1	125.9	40.0	167.0	0.6	40.0						
1,1-dichloroethene	0.27	ND	18.86	20.0	22.10	32.92	30.61	20.0	ND	94.3	81.0	130.0	22.10	54.1	42.6	81.0	130.0	7.1	18.0				I	I	
dimethyl sulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
iodomethane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methylene chloride	0.60	ND	21.02	20.0	ND	20.13	19.65	20.0	ND	105.1	76.0	125.0	ND	100.6	98.3	76.0	125.0	3.3	19.0						
carbon disulfide	0.34	ND	14.94	20.0	ND	14.50	13.55	20.0	ND	74.7	70.0	135.0	ND	72.5	67.8	70.0	135.0	6.8	20.0					I	
acrylonitrile	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
methyl-tert-butyl ether	NTC	ND	21.42	20.0	ND	21.36	20.83	20.0	ND	107.1	NA	NA	ND	106.8	104.4	NA	NA	2.5	NA						
trans-1,2-dichloroethene	0.25	ND	20.48	20.0	2.10	20.44	19.11	20.0	ND	102.4	86.0	135.0	2.10	91.7	85.1	86.0	135.0	6.7	16.0					I	
n-hexane	NTC	ND	19.50	20.0	ND	15.98	14.88	20.0	ND	97.5	65.0	137.0	ND	79.9	74.0	38.1	141.9	7.7	30.0						
vinyl acetate	4.43	ND	4.56	20.0	ND	4.51	4.47	20.0	ND	22.8	10.0	156.0	ND	22.6	22.4	10.0	156.0	0.9	45.0						
1,1-dichloroethane	0.23	ND	20.90	20.0	34.93	47.74	45.06	20.0	ND	104.5	84.0	127.0	34.93	64.1	50.7	84.0	127.0	4.8	15.0				I	I	
2-butanone	1.52	ND	25.33	20.0	ND	24.94	24.82	20.0	ND	126.6	61.0	137.0	ND	124.7	124.1	61.0	137.0	0.5	30.0						
2,2-dichloropropane	0.23	ND	22.02	20.0	ND	19.27	18.03	20.0	ND	110.1	79.0	138.0	ND	96.4	90.1	79.0	138.0	6.5	17.0						
cis-1,2-dichloroethene	0.15	ND	20.75	20.0	89.84	95.60	92.51	20.0	ND	103.8	82.0	121.0	89.84	28.8	12.9	82.0	121.0	3.5	15.0				I	I	
chloroform	0.19	ND	23.30	20.0	0.74	22.94	22.32	20.0	ND	116.5	85.0	121.0	0.74	110.5	107.9	85.0	121.0	2.5	15.0						
bromochloromethane	0.19	ND	23.12	20.0	ND	22.60	22.06	20.0	ND	115.6	85.0	121.0	ND	113.0	110.3	85.0	121.0	2.9	15.0						
1,1,1-trichloroethane	0.25	ND	22.56	20.0	542.09	458.93	437.90	20.0	ND	112.8	78.0	127.0	542.09	NA	NA	78.0	127.0	NA	17.0						
cyclohexane	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
1,1-dichloropropene	0.21	ND	23.33	20.0	ND	20.50	19.49	20.0	ND	116.7	91.0	131.0	ND	102.5	97.5	91.0	131.0	5.1	15.0						
carbon tetrachloride	0.30	ND	21.53	20.0	ND	19.66	18.40	20.0	ND	107.7	70.0	130.0	ND	98.3	92.0	70.0	130.0	6.6	28.0						
1,2-dichloroethane	0.33	ND	26.23	20.0	0.42	26.39	24.14	20.0	ND	131.2	78.0	128.0	0.42	129.9	120.6	78.0	128.0	1.8	17.0		H		H	H	
benzene	0.17	ND	20.50	20.0	ND	19.21	18.44	20.0	ND	102.5	87.0	118.0	ND	96.1	92.2	87.0	118.0	4.1	15.0						
trichloroethene	0.14	ND	21.29	20.0	214.94	199.72	190.12	20.0	ND	160.5	83.0	123.0	214.94	NA	NA	83.0	123.0	NA	15.0						
1,2-dichloropropane	0.19	ND	22.77	20.0	ND	22.01	21.40	20.0	ND	113.9	81.0	121.0	ND	110.1	107.0	81.0	121.0	2.8	15.0						
bromodichloromethane	0.23	ND	26.39	20.0	ND	26.24	25.74	20.0	ND	131.8	81.0	126.0	ND	131.2	128.7	81.0	126.0	1.9	16.0		H		H	H	
dibromomethane	0.20	ND	28.06	20.0	ND	28.30	27.82	20.0	ND	140.3	83.0	122.0	ND	141.5	139.1	83.0	121.0	1.7	15.0		H		H	H	
2-chloroethylvinyl ether	1.33	ND	13.86	20.0	ND	13.58	13.84	20.0	ND	69.3	45.0	154.0	ND	67.9	69.2	45.0	154.0	1.9	46.0						
4-methyl-2-pentanone	1.10	ND	25.97	20.0	ND	26.27	25.10	20.0	ND	129.9	66.0	132.0	ND	131.4	125.5	66.0	132.0	4.6	33.0						
cis-1,3-dichloropropene	0.16	ND	24.96	20.0	ND	24.24	23.77	20.0	ND	124.8	82.0	124.0	ND	121.1	118.9	82.0	124.0	1.9	15.0		H				
dimethyl disulfide	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
toluene	0.16	ND	20.43	20.0	0.18	19.35	18.59	20.0	ND	102.2	84.0	123.0	0.18	95.9	92.1	84.0	123.0	4.0	15.0						
ethyl methacrylate	NTC	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
trans-1,3-dichloropropene	0.21	ND	19.91	20.0	ND	19.60	19.30	20.0	ND	99.6	80.0	124.0	ND	98.0	96.5	80.0	124.0	1.5	15.0						
1,1,2-trichloroethane	0.21	ND	21.04	20.0	ND	20.94	20.60	20.0	ND	105.2	78.0	122.0	ND	104.7	103.0	78.0	121.0	1.6	15.0						

Kemron Environmental Services-OVI
Volatile Quality Control Summary

Workgroup #	WG12186	Run Date	2/13/00	SMPL Num	L0002073-01
Method	8260B	Instrument ID	HP6159	SMPL FILENAME	9847297 D
Matrix	WATER	BLK FILENAME	98472951	MS FILENAME	9847298 D
Units	ug/l	LCS FILENAME	98472961	MSD FILENAME	9847299 D

LCS DF 1
SMPL DF 1
MS DF 1
MSD DF 1

Target Analytes	MDL ug/l	Blank ug/l	LCS ug/l	LCS Spike Level ug/l	Sample ug/l	MS ug/l	MSD ug/l	MS Spike Level ug/l	Blank %	LCS %	LCS LCL %	LCS UCL %	Sample %	MS %	MSD %	MS LCL %	MSD UCL %	MS RPD %	RPD UCL %	Blank	LCS	Sample	MS	MSD	RPD
2-hexanone	1.58	ND	20.92	20.0	ND	20.66	19.98	20.0	ND	104.6	37.0	130.0	ND	103.3	99.9	37.0	130.0	3.3	16.0						
1,3-dichloropropane	0.19	ND	21.39	20.0	ND	21.36	21.16	20.0	ND	108.6	78.0	125.0	ND	106.8	105.6	78.0	125.0	1.2	15.0						
tetrachloroethene	0.25	ND	19.09	20.0	670.64	377.50	354.25	20.0	ND	95.5	81.0	134.0	6706	NA	NA	81.0	134.0	NA	15.0						
dibromochloromethane	0.70	ND	18.19	20.0	ND	18.86	18.78	20.0	ND	91.0	78.0	133.0	ND	94.3	93.9	78.0	123.0	0.4	15.0						
1,2-dibromoethane	0.25	ND	20.61	20.0	ND	20.86	20.25	20.0	ND	103.1	79.0	133.0	ND	104.3	101.3	79.0	133.0	3.0	15.0						
1-chlorohexane	NR	ND	21.98	20.0	ND	18.51	17.42	20.0	ND	109.9	66.0	140.0	ND	91.6	87.1	66.0	140.0	6.1	NA						
chlorobenzene	0.17	ND	21.37	20.0	ND	20.33	19.78	20.0	ND	107.9	70.0	130.0	ND	101.7	98.9	87.0	118.0	2.7	15.0						
1,1,1,2-tetrachloroethane	0.25	ND	19.52	20.0	ND	19.18	18.62	20.0	ND	97.6	82.0	123.0	ND	91.9	93.1	82.0	123.0	3.0	15.0						
ethylbenzene	0.20	ND	22.46	20.0	ND	20.36	19.85	20.0	ND	111.3	85.0	121.0	ND	108.8	99.3	85.0	121.0	4.5	15.0						
m+p xylene	0.33	ND	43.87	40.0	ND	40.14	38.56	40.0	ND	109.7	86.0	121.0	ND	100.2	96.4	86.0	121.0	3.8	15.0						
o-xylene	0.16	ND	20.14	20.0	ND	18.99	18.46	20.0	ND	101.7	85.0	121.0	ND	95.0	92.3	85.0	121.0	2.8	15.0						
styrene	0.20	ND	19.35	20.0	ND	18.22	17.69	20.0	ND	96.8	84.0	120.0	ND	91.1	88.5	84.0	120.0	3.0	15.0						
bromoform	0.45	ND	10.32	20.0	ND	10.87	10.93	20.0	ND	51.6	75.0	140.0	ND	54.4	54.7	75.0	124.0	0.6	21.0		1		1	1	
isopropylbenzene	0.20	ND	19.74	20.0	ND	17.71	16.89	20.0	ND	98.7	81.0	124.0	ND	88.6	84.5	81.0	124.0	4.7	15.0						
1,1,2,2-tetrachloroethane	0.29	ND	18.83	20.0	ND	19.47	19.30	20.0	ND	94.2	72.0	132.0	ND	97.4	96.5	72.0	132.0	0.9	15.0						
1,2,3-trichloropropane	0.11	ND	17.59	20.0	ND	18.37	18.11	20.0	ND	88.0	72.0	137.0	ND	91.9	90.7	72.0	137.0	1.5	21.0						
t-1,4-dichloro-2-butene	NR	ND	NS	NS	ND	NS	NS	NS	ND	NS	60.0	140.0	ND	NS	NS	60.0	140.0	NA	20.0						
propylbenzene	0.26	ND	22.48	20.0	ND	20.27	19.41	20.0	ND	112.4	87.0	123.0	ND	101.4	97.1	82.0	125.0	4.3	15.0						
bromobenzene	0.10	ND	18.52	20.0	ND	17.83	17.64	20.0	ND	92.6	84.0	120.0	ND	89.2	88.2	84.0	120.0	1.1	15.0						
1,3,5-trimethylbenzene	0.22	ND	20.53	20.0	ND	19.39	18.63	20.0	ND	106.7	82.0	125.0	ND	97.0	93.2	82.0	125.0	4.0	15.0						
2-chlorotoluene	0.20	ND	20.88	20.0	ND	18.29	18.91	20.0	ND	104.4	80.0	128.0	ND	91.5	94.6	80.0	128.0	3.5	15.0						
4-chlorotoluene	0.26	ND	20.61	20.0	ND	20.38	18.73	20.0	ND	103.1	80.0	127.0	ND	102.9	93.6	80.0	127.0	9.5	15.0						
alpha-methyl styrene	NR	ND	NS	NS	ND	NS	NS	NS	ND	NS	NA	NA	ND	NS	NS	NA	NA	NA	NA						
tert-butyl benzene	0.27	ND	20.55	20.0	ND	19.43	17.79	20.0	ND	102.8	80.0	121.0	ND	95.2	89.0	80.0	121.0	4.6	15.0						
1,2,4-trimethylbenzene	0.25	ND	20.54	20.0	ND	19.11	18.71	20.0	ND	102.7	84.0	125.0	ND	96.6	93.6	84.0	125.0	3.2	15.0						
sec-butyl-benzene	0.33	ND	19.91	20.0	ND	17.69	16.79	20.0	ND	99.6	80.0	125.0	ND	88.5	84.0	80.0	125.0	5.3	15.0						
p-isopropyl-toluene	0.33	ND	19.62	20.0	ND	17.76	16.84	20.0	ND	98.1	79.0	131.0	ND	88.7	84.2	79.0	133.0	5.2	15.0						
1,3-dichlorobenzene	0.12	ND	19.60	20.0	ND	18.56	18.27	20.0	ND	98.0	70.0	130.0	ND	92.8	91.4	70.0	130.0	1.6	15.0						
1,4-dichlorobenzene	0.38	ND	19.92	20.0	ND	19.09	18.66	20.0	ND	99.6	70.0	130.0	ND	95.5	93.3	70.0	130.0	2.3	15.0						
n-butyl-benzene	0.37	ND	20.87	20.0	ND	18.83	17.86	20.0	ND	104.4	78.0	128.0	ND	94.2	89.3	78.0	128.0	5.4	17.0						
1,2-dichlorobenzene	0.37	ND	20.83	20.0	ND	20.25	19.94	20.0	ND	104.2	70.0	130.0	ND	101.3	99.7	70.0	130.0	0.5	15.0						
1,2-dibromo-3-chloropropane	0.78	ND	23.05	20.0	ND	23.06	22.77	20.0	ND	115.3	69.0	135.0	ND	115.7	113.9	69.0	135.0	1.2	34.0						
1,2,4-trichlorobenzene	0.25	0.45	20.40	20.0	ND	19.51	19.16	20.0	0.45	102.0	74.0	134.0	ND	97.6	95.8	74.0	134.0	1.8	20.0						
hexachlorobutadiene	0.46	ND	17.75	20.0	ND	15.35	14.39	20.0	ND	88.8	67.0	131.0	ND	76.7	72.0	67.0	131.0	6.1	34.0						
naphthalene	0.48	0.64	19.93	20.0	ND	19.39	19.39	20.0	0.24	99.1	69.0	126.0	ND	97.0	97.0	69.0	126.0	0.0	31.0						
1,2,3-trichlorobenzene	0.33	0.63	21.05	20.0	ND	20.92	20.14	20.0	0.63	105.3	60.0	137.0	ND	102.6	100.7	60.0	137.0	1.9	31.0						
Surrogates																									
dibromofluoromethane		26.10	25.93	25.0	26.62	26.71	26.63	25.0	104.4	103.7	86	118	106.5	106.8	106.6										
1,2-dichloroethane-d4		28.58	28.10	25.0	29.45	29.02	28.67	25.0	114.3	112.4	80	120	117.8	116.1	114.7										
toluene-d8		22.92	23.10	25.0	23.82	23.65	23.54	25.0	91.7	97.4	88	110	95.3	94.6	94.2										
p-bromofluorobenzene		23.99	23.68	25.0	23.59	23.62	23.74	25.0	96.0	94.7	86	115	94.4	94.5	95.0										

Notes and Definitions
MDL= Method Detection Limit
BLK= Method Blank
LCS= Laboratory Control Sample
MS/MSD= Matrix Spike / Matrix Spike Duplicate
LCL= Lower Control Limit
UCL= Upper Control Limit
H=Above control limit
L=Below control limit
ND= Not Detected
RPD= Relative Percent Difference
NS=Not spiked
NA= Not applicable
DF=Dilution Factor

REMHOH ENVIRONMENTAL SERVICES
MARIETTA, OH
QUALITY CONTROL SUMMARY / PCB WATERS [illegible]

EXTN DATE	[illegible]	INSTRUMENT	[illegible]		SMPL ID	L6002123 03
EXTN BENCH SHT	[illegible]	ANALYST	[illegible]	BLK FLNM	[illegible]	SMPL FLNM	[illegible]
EXTN WORK GRP	[illegible]	RUN DATE	[illegible]	LCS FLNM	[illegible]	MS FLNM	[illegible]
		ANAL WORK GRP	WG/[illegible]			MSD FLNM	7G0012R

COMPOUND	RDL	CONCENTRATION, ug/L: Blank	LCS	Sample	MS	MSD
AROCLOR 1016	0.5	ND	3.04	ND	3.66	1.77
AROCLOR 1221	0.5	ND	NA	ND	NA	NA
AROCLOR 1232	0.6	ND	NA	ND	NA	NA
AROCLOR 1242	0.5	ND	NA	ND	NA	NA
AROCLOR 1248	0.5	ND	NA	ND	NA	NA
AROCLOR 1254	0.5	ND	NA	ND	NA	NA
AROCLOR 1260	0.5	ND	[illegible]	ND	3.0[illegible]	3.[illegible]
SURROGATES						
2,4,5,6-TETRACHLORO-M-XYLENE		12.5	[illegible]4	11[illegible]	10.9	12.0
DECACHLOROBIPHENYL		20.4	22[illegible]	22.0	21.7	18.4

COMPOUND	% RECOVERY: Blank	LCS	LCS LCL	LCS UCL	Sample	MS	MSD	MS LCL	MS UCL	PRECISION: RPD	RPD Advisory Limits
AROCLOR 1016	NA	121.7	40	125	NA	73.0	74.4	40	125	2.0	0.40
AROCLOR 1221	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.[illegible]
AROCLOR 1232	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.36
AROCLOR 1242	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.35
AROCLOR 1248	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.31
AROCLOR 1254	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.36
AROCLOR 1260	NA	120.4	50	177	NA	72.0	72.3	60	127	0.7	0.41
SURROGATES											
2,4,5,6-TETRACHLORO-M-XYLENE	[illegible]	61.9	1[illegible]	154	60.0	54.7	69.8	13	154		
DECACHLOROBIPHENYL	[illegible]	112.2	26	140	114.0	105.9	97.[illegible]	26	140		

NOTES & DEFINITIONS

LCS, MS & MSD spiked at 2.5 ug/L
SURROGATES spiked at 20 ug/L
NA = NOT APPLICABLE
DI = DILUTED OUT
ND = NOT DETECTED
RDL = REPORTING DETECTION LIMIT

LCS = LABORATORY CONTROL SAMPLE
MS = MATRIX SPIKE
MSD = MATRIX SPIKE DUPLICATE

Order #00-02-126
February 17, 2000 15 47

KEMRON ENVIRONMENTAL SERVICES
REPORT NARRATIVE

PCB's - 8082:

There were no technical difficulties encountered during the analysis of this Sample Delivery Group (SDG)

Product: 8082 - PCB

Lab Sample ID L0002126 01
Client Sample ID WLDRUM1
Site/Work ID. SC001/DAYTON THERMAL PRODUCTS
Matrix: Water

Dil. Type N/A
COC Info 0629/
Date Collected 02/03/00

Sample Weight: N/A
Extract Volume. N/A
% Solid. N/A

CLP Extract Date N/A
Extract Date: 02/07/00
Analysis Date. 02/08/00 Time. 16 13

Instrument HP7
Analyst. SMH
Lab File ID. 7G6013R

Method: 8082/3550
Run ID R82669
Batch WG71898

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
12674-11 2	Aroclor 1016	ug/L		ND	0 50	1
11104-28 2	Aroclor 1221	ug/L		ND	0 50	1
11141 16-5	Aroclor-1232	ug/L		ND	0 50	1
53469 21-9	Aroclor 1242	ug/L		ND	0 50	1
12672 29-6	Aroclor-1248	ug/L		ND	0 50	1
11097-69-1	Aroclor-1254	ug/L		ND	0 50	1
11096 82-5	Aroclor-1260	ug/L		ND	0.50	1

SURROGATES- In Percent Recovery:

2 4,5,6-Tetrachloro-m-xylene	62.2	(13 - 154%)
Decachlorobiphenyl	96 3	(25 - 140%)

L - Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L0002126 01	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	WLDRUM1	COC Info	0629/	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	02/09/00	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260b
Extract Date	N/A	Analyst	JLH	Run ID	R82884
Analysis Date	02/13/00 Time: 21:52	Lab File ID	9M7309	Batch	WG72186

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67-64-1	Acetone	ug/L		ND	100	1
71 43-2	Benzene	ug/L		ND	5.0	1
108 86-1	Bromobenzene	ug/L		ND	5.0	1
74 97 5	Bromochloromethane	ug/L		ND	5.0	1
75 27 4	Bromodichloromethane	ug/L		ND	5.0	1
75 25 2	Bromoform	ug/L		ND	5.0	1
74-83 9	Bromomethane	ug/L		ND	10	1
78 93-3	2 Butanone	ug/L		ND	100	1
104 51-8	n-Butylbenzene	ug/L		ND	5.0	1
135 98 8	sec Butylbenzene	ug/L		ND	5.0	1
98 06 6	tert-Butylbenzene	ug/L		ND	5.0	1
75 15-0	Carbon disulfide	ug/L		ND	5.0	1
56-23 5	Carbon tetrachloride	ug/L		ND	5.0	1
108 90 7	Chlorobenzene	ug/L		ND	5.0	1
124-48 1	Chlorodibromomethane	ug/L		ND	5.0	1
75 00 3	Chloroethane	ug/L		ND	10	1
110 75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66 3	Chloroform	ug/L		ND	5.0	1
74-87-3	Chloromethane	ug/L		ND	10	1
95 49-8	2-Chlorotoluene	ug/L		ND	5.0	1
106-43-4	4-Chlorotoluene	ug/L		ND	5.0	1
96 12-8	1,2-Dibromo-3-chloropropane	ug/L		ND	5.0	1
106 93-4	1,2-Dibromoethane	ug/L		ND	5.0	1
74-95-3	Dibromomethane	ug/L		ND	5.0	1
95-50-1	1,2-Dichlorobenzene	ug/L		ND	5.0	1
541-73-1	1,3-Dichlorobenzene	ug/L		ND	5.0	1
106-46-7	1,4-Dichlorobenzene	ug/L		ND	5.0	1
75-71 8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34-3	1,1-Dichloroethane	ug/L	110		5.0	1
107 06-2	1,2 Dichloroethane	ug/L		ND	5.0	1
75 35-4	1,1-Dichloroethene	ug/L	67		5.0	1
156 59 2	cis-1,2 Dichloroethene	ug/L	1400	D	500	100
156-60-5	trans-1,2-Dichloroethene	ug/L	13		5.0	1
78-87-5	1,2-Dichloropropane	ug/L		ND	5.0	1
142-28-9	1,3-Dichloropropane	ug/L		ND	5.0	1
594-20-7	2,2-Dichloropropane	ug/L		ND	5.0	1
10061-01 5	cis-1,3-Dichloropropene	ug/L		ND	5.0	1
10061-02-6	trans-1,3-Dichloropropene	ug/L		ND	5.0	1
563-58-6	1,1-Dichloropropene	ug/L		ND	5.0	1

RL = Reporting Limit

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L0002126-01	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	WLDRUM1	COC Info	0629/	Extract Volume	N/A
Site/Work ID	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected	02/03/00	% Solid	N/A
CLP Extract Date	N/A	Instrument	HPMS9	Method	8260B
Extract Date	N/A	Analyst	JLH	Run ID	R82884
Analysis Date	02/13/00 Time 21.52	Lab File ID	9M7309	Batch	WG72186

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41 4	Ethylbenzene	ug/L		ND	5 0	1
	n-Hexane	ug/L		ND	10	1
591-78-6	2-Hexanone	ug/L		ND	10	1
87-68-3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82-8	Isopropylbenzene	ug/L		ND	5 0	1
99-87-6	p Isopropyltoluene	ug/L		ND	5 0	1
108 10-1	4-Methyl-2-pentanone	ug/L		ND	10	1
75-09-2	Methylene chloride	ug/L		ND	5.0	1
91-20-3	Naphthalene	ug/L		ND	10	1
103-65 1	n-Propylbenzene	ug/L		ND	5 0	1
100-42 5	Styrene	ug/L		ND	5 0	1
630-20-6	1,1,1,2-Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1,1,2,2-Tetrachloroethane	ug/L		ND	5 0	1
127-18-4	Tetrachloroethene	ug/L	160		5 0	1
108-88 3	Toluene	ug/L		ND	5 0	1
87-61-6	1,2,3-Trichlorobenzene	ug/L		ND	5 0	1
120 82-1	1,2,4-Trichlorobenzene	ug/L		ND	5.0	1
71-55-6	1,1,1-Trichloroethane	ug/L	660	D	500	100
79-00 5	1,1,2-Trichloroethane	ug/L		ND	5 0	1
79-01 6	Trichloroethene	ug/L	5700	D	500	100
75-69-4	Trichlorofluoromethane	ug/L		ND	10	1
96-18-4	1,2,3-Trichloropropane	ug/L		ND	5 0	1
95 63-6	1,2,4-Trimethylbenzene	ug/L		ND	5 0	1
108-67-8	1,3,5-Trimethylbenzene	ug/L		ND	5 0	1
108-05-4	Vinyl acetate	ug/L		ND	10	1
75-01 4	Vinyl chloride	ug/L	530	D	200	100
95 47-6	o Xylene	ug/L		ND	5 0	1
108-38 3	m Xylene	ug/L		ND	5.0	1
106-42 3	p Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	112		(86 - 118%)
1,2 Dichloroethane-d4	130	*	(80 - 120%)
Toluene-d8	94 1		(53 - 142%)
4-Bromofluorobenzene	95 4		(88 - 110%)

L = Reporting Limit

KEMRON ENVIRONMENTAL SERVICES

Product: 8082 - PCB

Lab Sample ID: L0002126 02
Client Sample ID: WLDRUM2
Site/Work ID: SC001/DAYTON THERMAL PRODUCTS
Matrix: Water

CLP Extract Date: N/A
Extract Date: 02/01/00
Analysis Date: 02/08/00 Time: 16:39

Dil Type N/A
COC Info. 0629/

Date Collected 02/01/00

Instrument HP7
Analyst SMW
Lab File ID 7G6014R

Sample Weight: N/A
Extract Volume: N/A

% Solid: N/A

Method 8082/3550
Run ID R82669
Batch WG71998

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
12674-11-2	Aroclor-1016	ug/L		ND	0.50	1
11104-28-2	Aroclor 1221	ug/L		ND	0.50	1
11141-16-5	Aroclor-1232	ug/L		ND	0.50	1
53469-21-9	Aroclor-1242	ug/L		ND	0.50	1
12672-29-6	Aroclor-1248	ug/L		ND	0.50	1
11097-69-1	Aroclor-1254	ug/L		ND	0.50	1
11096-82-5	Aroclor-1260	ug/L		ND	0.50	1

SURROGATES- In Percent Recovery:

2,4,5,6-Tetrachloro m-xylene	68.1	(13 - 154%)
Decachlorobiphenyl	104	(25 - 140%)

* = Reporting Limit

Product: 826-VAP2 - Volatile Organics

Lab Sample ID. L0002126 02
Client Sample ID: WLDRUM2
Site/Work ID: SC001/DAYTON THERMAL PRODUCTS
Matrix: Water

Dil Type N/A
COC Info 0629/
Date Collected 02/03/00

Sample Weight N/A
Extract Volume. N/A
% Solid N/A

CLP Extract Date: N/A
Extract Date: N/A
Analysis Date 02/13/00 Time 22 24

Instrument. HPMS9
Analyst: JLH
Lab File ID 9M7310

Method 8260B
Run ID: R020884
Batch : WG72186

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67-64-1	Acetone.	ug/L		ND	100	1
71-43-2	Benzene	ug/L		ND	5.0	1
108-86-1	Bromobenzene	ug/L		ND	5.0	1
74-97-5	Bromochloromethane.	ug/L		ND	5.0	1
75-27-4	Bromodichloromethane	ug/L		ND	5.0	1
75-25-2	Bromoform.	ug/L		ND	5.0	1
74-83-9	Bromomethane.	ug/L		ND	10	1
78-93-3	2-Butanone.	ug/L		ND	100	1
104-51-8	n-Butylbenzene	ug/L		ND	5.0	1
135-98-8	sec-Butylbenzene	ug/L		ND	5.0	1
98-06-6	tert Butylbenzene	ug/L		ND	5.0	1
75-15-0	Carbon disulfide	ug/L		ND	5.0	1
56-23-5	Carbon tetrachloride	ug/L		ND	5.0	1
108-90-7	Chlorobenzene.	ug/L		ND	5.0	1
124-48-1	Chlorodibromomethane	ug/L		ND	5.0	1
75-00-3	Chloroethane.	ug/L		ND	10	1
110-75-8	2-Chloroethyl vinyl ether.	ug/L		ND	10	1
67-66-3	Chloroform.	ug/L		ND	5.0	1
74-87-3	Chloromethane	ug/L		ND	10	1
95-49-8	2-Chlorotoluene	ug/L		ND	5.0	1
106-43-4	4-Chlorotoluene.	ug/L		ND	5.0	1
96-12-8	1,2-Dibromo-3-chloropropane	ug/L		ND	5.0	1
106-93-4	1,2-Dibromoethane	ug/L		ND	5.0	1
74-95-3	Dibromomethane	ug/L		ND	5.0	1
95-50-1	1,2 Dichlorobenzene	ug/L		ND	5.0	1
541-73-1	1,3 Dichlorobenzene	ug/L		ND	5.0	1
106-46-7	1,4 Dichlorobenzene	ug/L		ND	5.0	1
75-71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34-3	1,1 Dichloroethane	ug/L	10		5.0	1
107-06-2	1,2 Dichloroethane	ug/L	12		5.0	1
75-35-4	1,1 Dichloroethene	ug/L	11		5.0	1
156-59-2	cis-1,2-Dichloroethene	ug/L	760	D	500	100
156-60-5	trans-1,2-Dichloroethene	ug/L	19		5.0	1
78-87-5	1,2-Dichloropropane	ug/L		ND	5.0	1
142-28-9	1,3-Dichloropropane	ug/L		ND	5.0	1
594-20-7	2,2-Dichloropropane	ug/L		ND	5.0	1
10061-01-5	cis-1,3-Dichloropropene.	ug/L		ND	5.0	1
10061-02-6	trans-1,3-Dichloropropene	ug/L		ND	5.0	1
563-58-6	1,1-Dichloropropene	ug/L		ND	5.0	1

RL = Reporting Limit

Product: 826-VAP2 Volatile Organics

Lab Sample ID: L0002126 02
Client Sample ID: WLDRUM2
Site/Work ID: SC001/DAYTON THERMAL PRODUCTS
Matrix: Water

Dil Type N/A
COC Info 0629/
Date Collected 02/03/00

Sample Weight N/A
Extract Volume N/A
% Solid N/A

TCLP Extract Date: N/A
Extract Date: N/A
Analysis Date 02/13/00 Time 22:24

Instrument: HPMS9
Analyst: JLH
Lab File ID: 9M7310

Method 8260B
Run ID R82804
Batch WG72186

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100 41-4	Ethylbenzene	ug/L		ND	5 0	1
	n Hexane	ug/L		ND	10	1
591 78 6	2 Hexanone	ug/L		ND	10	1
87-68-3	Hexachlorobutadiene	ug/L		ND	5 0	1
98 82-8	Isopropylbenzene	ug/L		ND	5 0	1
99-87 6	p Isopropyltoluene	ug/L		ND	5 0	1
08-10-1	4-Methyl-2-pentanone	ug/L		ND	10	1
75-09-2	Methylene chloride	ug/L		ND	5 0	1
91 20-3	Naphthalene	ug/L		ND	10	1
103-65 1	n-Propylbenzene	ug/L		ND	5 0	1
100-42 5	Styrene	ug/L		ND	5 0	1
630 20 6	1,1,1,2 Tetrachloroethane	ug/L		ND	5 0	1
79-34-5	1,1,2,2-Tetrachloroethane	ug/L		ND	5 0	1
127-18 4	Tetrachloroethene	ug/L	1500	D	500	100
108-88-3	Toluene	ug/L		ND	5 0	1
87-61 6	1,2,3-Trichlorobenzene	ug/L		ND	5 0	1
120-82-1	1,2,4 Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1,1,1-Trichloroethane	ug/L	59		5 0	1
79 00 5	1,1,2-Trichloroethane	ug/L		ND	5 0	1
79-01-6	Trichloroethene	ug/L	1500	D	500	100
75-69 4	Trichlorofluoromethane	ug/L		ND	10	1
96-18-4	1,2,3-Trichloropropane	ug/L		ND	5 0	1
95-63-6	1,2,4-Trimethylbenzene	ug/L		ND	5 0	1
108-67-8	1,3,5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75-01-4	Vinyl chloride	ug/L	16		2 0	1
95 47-6	o-Xylene	ug/L		ND	5 0	1
108 38-3	m-Xylene	ug/L		ND	5 0	1
106-42-3	p-Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	112		(86 - 118%)
1,2-Dichloroethane d4	131	*	(80 - 120%)
Toluene-d8	95 0		(53 - 142%)
4-Bromofluorobenzene	97 5		(88 - 110%)

RL - Reporting Limit

Product: 826-VAP2 - Volatile Organics

Lab Sample ID	L0002126-03	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	WLT020300/#19	COC Info	0629/	Extract Volume	N/A
Site/Work ID.	SC001/DAYTON THERMAL PRODUCTS				
Matrix.	Water	Date Collected	02/03/00	% Solid	N/A
TCLP Extract Date	N/A	Instrument	HPMS9	Method	8260B
Extract Date.	N/A	Analyst	JIM	Run ID	R82884
Analysis Date.	02/13/00 Time: 22 55	Lab File ID	9M7311	Batch	WG72106

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
67-64-1	Acetone	ug/L		ND	100	1
71-43-2	Benzene	ug/L		ND	5.0	1
108-86-1	Bromobenzene	ug/L		ND	5.0	1
74-97-5	Bromochloromethane	ug/L		ND	5.0	1
75-27-4	Bromodichloromethane	ug/L		ND	5.0	1
75-25-2	Bromoform	ug/L		ND	5.0	1
74-83-9	Bromomethane	ug/L		ND	10	1
78-93-3	2-Butanone	ug/L		ND	100	1
104-51-8	n-Butylbenzene	ug/L		ND	5.0	1
135-98-8	sec-Butylbenzene	ug/L		ND	5.0	1
98-06-6	tert-Butylbenzene	ug/L		ND	5.0	1
75-15-0	Carbon disulfide	ug/L		ND	5.0	1
56-23-5	Carbon tetrachloride	ug/L		ND	5.0	1
108-90-7	Chlorobenzene	ug/L		ND	5.0	1
124-48-1	Chlorodibromomethane	ug/L		ND	5.0	1
75-00-3	Chloroethane	ug/L		ND	10	1
110-75-8	2-Chloroethyl vinyl ether	ug/L		ND	10	1
67-66-3	Chloroform	ug/L		ND	5.0	1
74-87-3	Chloromethane	ug/L		ND	10	1
95-49-8	2-Chlorotoluene	ug/L		ND	5.0	1
106-43-4	4-Chlorotoluene	ug/L		ND	5.0	1
96-12-8	1,2-Dibromo-3-chloropropane	ug/L		ND	5.0	1
106-93-4	1,2-Dibromoethane	ug/L		ND	5.0	1
74-95-3	Dibromomethane	ug/L		ND	5.0	1
95-50-1	1,2-Dichlorobenzene	ug/L		ND	5.0	1
541-73-1	1,3-Dichlorobenzene	ug/L		ND	5.0	1
106-46-7	1,4-Dichlorobenzene	ug/L		ND	5.0	1
75-71-8	Dichlorodifluoromethane	ug/L		ND	10	1
75-34-3	1,1-Dichloroethane	ug/L		ND	5.0	1
107-06-2	1,2-Dichloroethane	ug/L		ND	5.0	1
75-35-4	1,1-Dichloroethene	ug/L		ND	5.0	1
156-59-2	cis-1,2-Dichloroethene	ug/L		ND	5.0	1
156-60-5	trans-1,2-Dichloroethene	ug/L		ND	5.0	1
78-87-5	1,2-Dichloropropane	ug/L		ND	5.0	1
142-28-9	1,3-Dichloropropane	ug/L		ND	5.0	1
594-20-7	2,2-Dichloropropane	ug/L		ND	5.0	1
10061-01-5	cis 1,3-Dichloropropene	ug/L		ND	5.0	1
10061-02-6	trans-1,3-Dichloropropene	ug/L		ND	5.0	1
563-58-6	1,1-Dichloropropene	ug/L		ND	5.0	1

RL - Reporting Limit

Product: 826-VAP2 - Volatile Organics

Lab Sample ID:	L0002126 03	Dil Type	N/A	Sample Weight	N/A
Client Sample ID	MLT020300/#19	COC Info	0629/	Extract Volume	N/A
Site/Work ID:	SC001/DAYTON THERMAL PRODUCTS				
Matrix	Water	Date Collected.	02/03/00	% Solid	N/A
SLP Extract Date	N/A	Instrument.	HPMS9	Method	8260B
Extract Date	N/A	Analyst.	JLH	Run ID:	R82884
Analysis Date	02/13/00 Time 22 55	Lab File ID	9M7311	Batch :	MC73186

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
100-41 4	Ethylbenzene	ug/L		ND	5.0	1
	n-Hexane	ug/L		ND	10	1
591 78-6	2-Hexanone	ug/L		ND	10	1
87-68 3	Hexachlorobutadiene	ug/L		ND	5 0	1
98-82 8	Isopropylbenzene	ug/L		ND	5 0	1
99 87 6	p-Isopropyltoluene	ug/L		ND	5 0	1
108 10 1	4-Methyl-2 pentanone	ug/L		ND	10	1
75-09 2	Methylene chloride	ug/L		ND	5 0	1
91-20-3	Naphthalene	ug/L		ND	10	1
103 65-1	n-Propylbenzene	ug/L		ND	5 0	1
100-42 5	Styrene	ug/L		ND	5 0	1
630-20 6	1,1,1,2-Tetrachloroethane	ug/L		ND	5 0	1
79 34-5	1,1,2,2-Tetrachloroethane	ug/L		ND	5 0	1
127 18-4	Tetrachloroethene	ug/L		ND	5 0	1
108 88-3	Toluene	ug/L		ND	5 0	1
87 61 6	1,2,3-Trichlorobenzene	ug/L		ND	5 0	1
120-82 1	1,2,4-Trichlorobenzene	ug/L		ND	5 0	1
71 55 6	1,1,1 Trichloroethane	ug/L		ND	5 0	1
79 00-5	1,1,2-Trichloroethane	ug/L		ND	5 0	1
79-01 6	Trichloroethene	ug/L		ND	5 0	1
75-69 4	Trichlorofluoromethane	ug/L		ND	10	1
96-18 4	1,2,3 Trichloropropane	ug/L		ND	5 0	1
95-63 6	1,2,4 Trimethylbenzene	ug/L		ND	5 0	1
108-67 8	1,3,5-Trimethylbenzene	ug/L		ND	5 0	1
108 05 4	Vinyl acetate	ug/L		ND	10	1
75-01 4	Vinyl chloride	ug/L		ND	2 0	1
95-47 6	o Xylene	ug/L		ND	5 0	1
108 38 3	m Xylene	ug/L		ND	5 0	1
106-42 3	p Xylene	ug/L		ND	5 0	1

SURROGATES- In Percent Recovery:

Dibromofluoromethane	108		(86 - 118%)
1,2 Dichloroethane-d4	126	*	(80 - 120%)
Toluene-d8	92 2		(53 - 142%)
4 Bromofluorobenzene	101		(88 - 110%)

- Reporting Limit

L0G/page 1

KEMRON Environmental Services
109 Starlite Park
Marietta, Ohio 45750
Phone: (740) 373-4071

CompuChem
501 Madison Ave
Cary, NC 27513

Attention Diane Byrd

PO Number
Account Number: COMPUCHEM-529

Login # L0002126
Report Date 02/17/00
Work ID SC001/DAYTON THERMAL PRODUCTS
Date Received. 02/04/00

R54203

SAMPLE IDENTIFICATION

Sample Number	Sample Description	Sample Number	Sample Description
L0002126-01	WLDRUM1	L0002126 02	WLDRUM2
L0002126 03	WLT020300/#19		

All results on solids/sludges are reported on a dry weight basis, where applicable, unless otherwise specified. This report shall not be reproduced, except in full, without the written approval of KEMRON

KEMRON ELAP ID: 10861

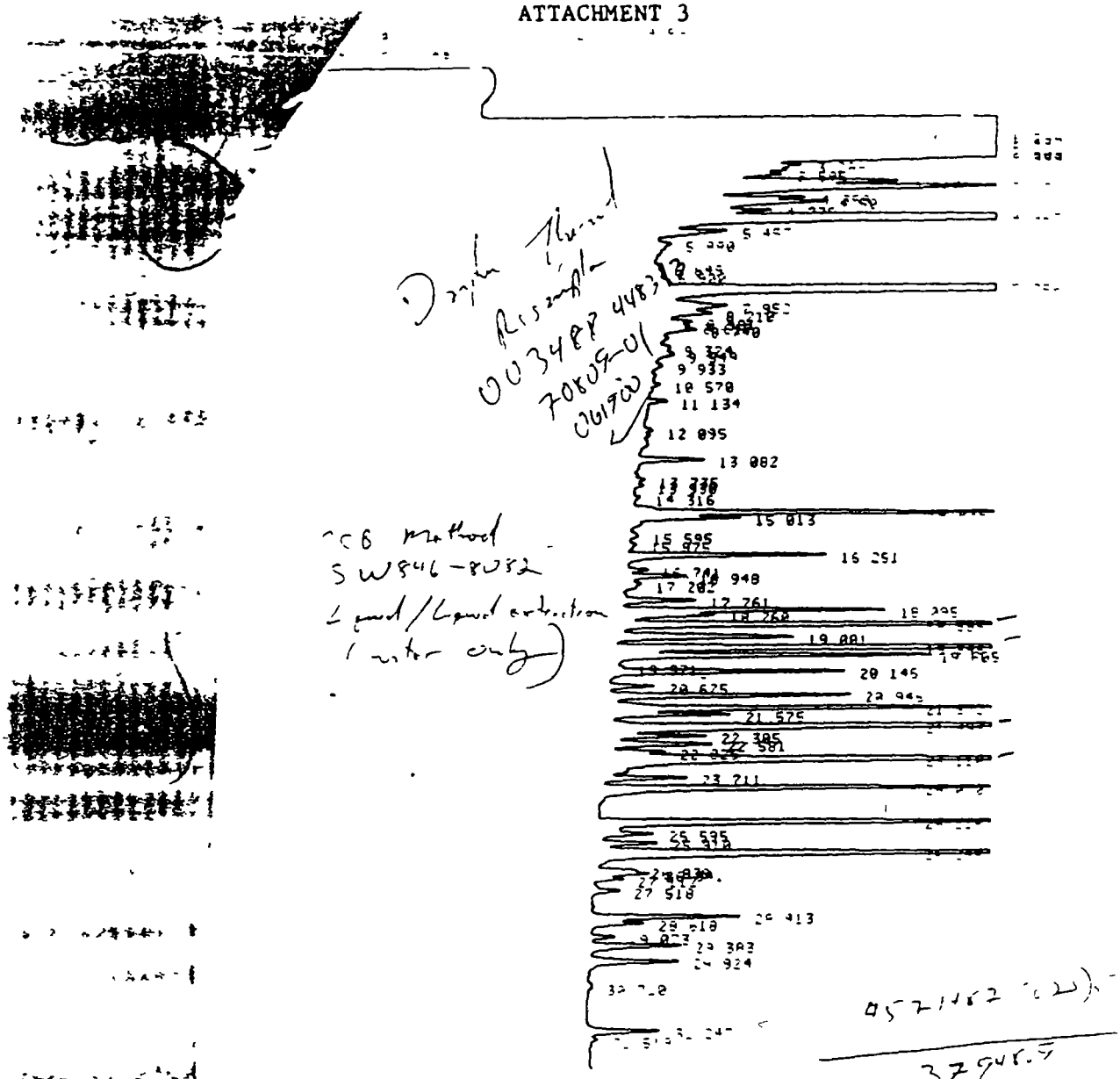
Dennis S. Tepe

Certified By
Dennis S. Tepe

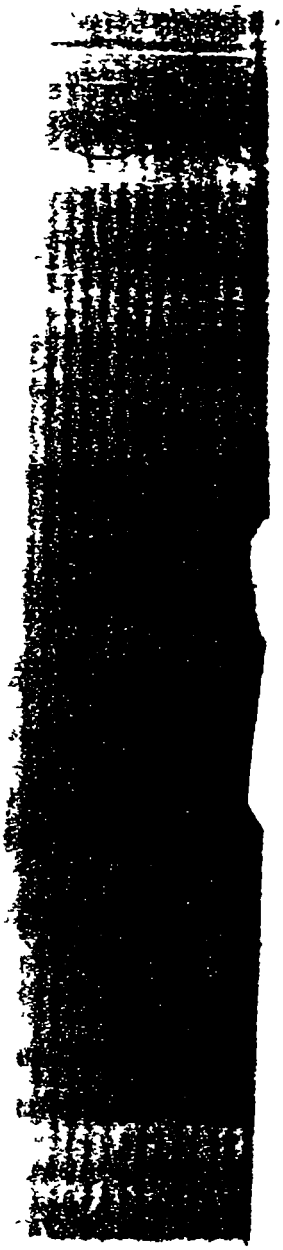
FEB 22 2000

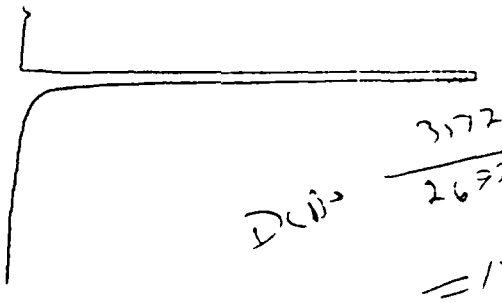
Kemron

ATTACHMENT 3



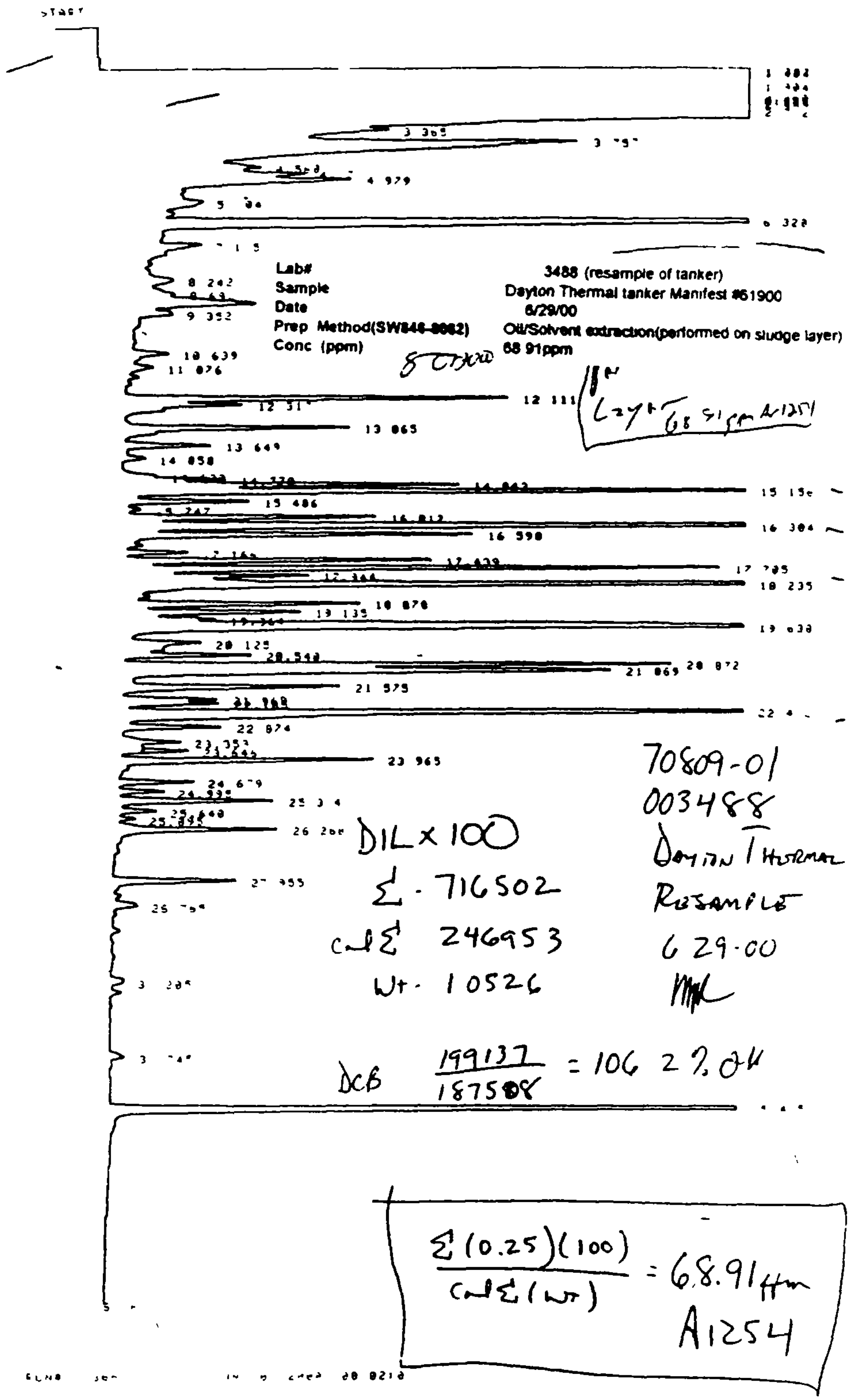
Lab#	3488 (resample of tanker)
Sample	Dayton Thermal tanker Manifest #61900
Date	6/19/00
Prep Method(SW846-8082)	Liq/Liq extraction
Conc (ppm)	1 5ppm





[redacted]

ATTACHMENT 4



A1254

VDO
6-29-00

ATTACHMENT 5

Attachment 1

S-061900

June 19, 2000

Onyx Environmental Services
4301 Infirmary Road
P O Box 453
West Carrollton, Ohio 45449

Reference: Certification related to the Presence of Polychlorinated Biphenyls

CWM Receipt/Job Number:70809

Please accept the following certification relative to PCB's in the load as referenced below:

Joe Whitlock **of Dayton Thermal Products hereby certifies and warrants that the waste material sent to Onyx Environmental Services. (CWM RR) identified as Onyx Profile #448314, on manifest # 61900, Line Item a; received on 6/19/00, does not contain any PCB's regulated by TSCA and that any PCB's detected at less than 50 PPM are neither from a PCB source containing greater than 50 PPM concentration nor the result of impermissible dilution**

15ppm PCBs
Also amend profile to state <45ppm PCBs

Company: Dayton Thermal Products
Address: Dayton, OH
Signature: Joe Whitlock Date: 6/19/00
Printed Name: Joe Whitlock
Title: Env Coordinator

STATE OF ILLINOIS

ATTACHMENT 6

P O BOX 19276 SPRINGFIELD ILLINOIS 62794 9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

State Form LPC 62 8/81 IL532-0610

PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter) EPA Form 8700-22 (Rev 6-89) Form Approved. OMB No 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: ILD098642424 | Manifest Document No: 36609

2 Page 1 of 1

Information in the shaded areas is not required by Federal law but is required by Illinois law

3 Generator's Name and Mailing Address: ONYX ENVIRONMENTAL SERVICES, #7 MOBILE AVENUE, SAUGET, ILL 62201 — Location If Different

4 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS: 800-424-9300

A. Illinois Manifest Document Number: IL 8636609 (PREPAID IF APPLICABLE)

B Generator's IL ID Number: 1631210001

5 Transporter 1 Company Name: TRI STATE MOTOR TRANSIT CO.

6 US EPA ID Number: MOD095038998

C Transporter's ID Number

D Transporter's Phone (412) [illegible]-3131

7 Transporter 2 Company Name

8 US EPA ID Number

E. Transporter's ID Number

F Transporter's Phone ( )

9 Designated Facility Name and Site Address: ONYX ENVIRONMENTAL SERVICES, LLC, 4301 INFIRMARY ROAD/P.O. BOX 453, WEST CARROLLTON, OHIO 45449

10 US EPA ID Number: OHD093945293

G. Facility's IL ID Number

H Facility's Phone ( )

11 US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I. Waste No
a RQ, WASTE FLAMMABLE LIQUID, N.O.S. 3, UN1993, PGIII (ACETONE, TOLUENE) (D001, F001, F002, F003, F005 EPA TOXICITY)	001	TT	38321	P	EPA HW Number D001; 090001
b					EPA HW Number
c					EPA HW Number
d					EPA HW Number

J. Additional Descriptions for Materials Listed Above: D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, [illegible], D043, F00[illegible], U002, U003, U008, [illegible], U019, [illegible], U112, [illegible], U154, U15[illegible], U161, [illegible], U188, [illegible], U226, U228, U239, K022, K1[illegible]

K. Handling Codes for Wastes Listed Above in Item #14

15 Special Handling Instructions and Additional Information: THE MATERIAL WAS ORIGINALLY SHIPPED TO ONYX (FWI) ON IL 7147592, line a, page 1, dated 6/28/00. TWI RECEIVER #16-0140. THE MATERIAL IS BEING REJECTED BACK TO THE ORIGINAL GENERATOR DUE TO THE PRESENCE OF PCBs

16. GENERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified packed marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations

If I am a large quantity generator I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford

Printed/Typed Name	Signature	Date (Month Day Year)
CRAIG BARTLETT	Craig Bartlett	06 30 00

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
William Kyle	William Kyle	06 30 00

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19 Discrepancy Indication Space

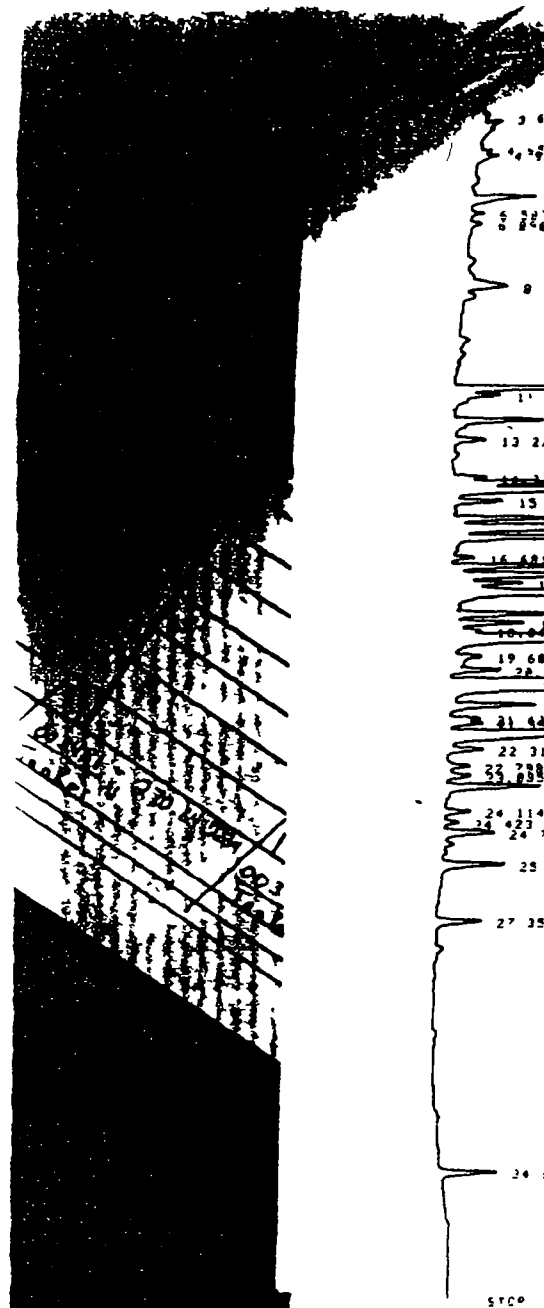
20 Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19

Printed/Typed Name	Signature	Date (Month Day Year)
Robert Bundy	[signature]	06 30 00

This Agency is authorized to require pursuant to Illinois Revised Statute 1989 Chapter 111 1/2 Section 1004 and 1021 that this information be submitted to the Agency Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25 000 per day of violation Falsification of this information may result in a fine up to $50 000 per day of violation and imprisonment up to 5 years This form has been approved by the Forms Management Center

COPY 1 TSD MAIL TO GENERATOR

ATTACHMENT 7



Dayton Thermal
448314
D=15 window
003481
7-16-00
KA
DIL x2000

$$\frac{275800 \times C\ 25 \times 2000}{25452C \times 2.0019} = 270.64\ \text{PPM}$$

A1254

$$DCB\ \frac{10793(2C)}{198C92} = 115\%\ \text{CLAY}$$

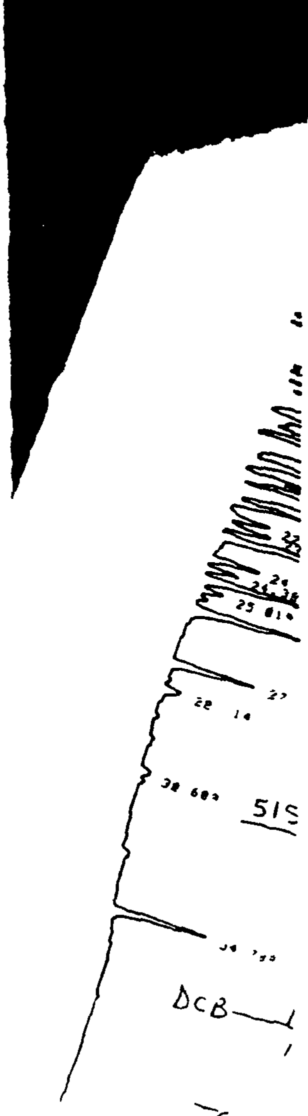
$$\frac{75800 \times 0.25 \times 2000}{254520 \times 2.0019} = 270.64$$

PPM
A1254

34 329

$$DCB \quad \frac{10793(20)}{188092} = 115\% \text{ okay}$$

STOP



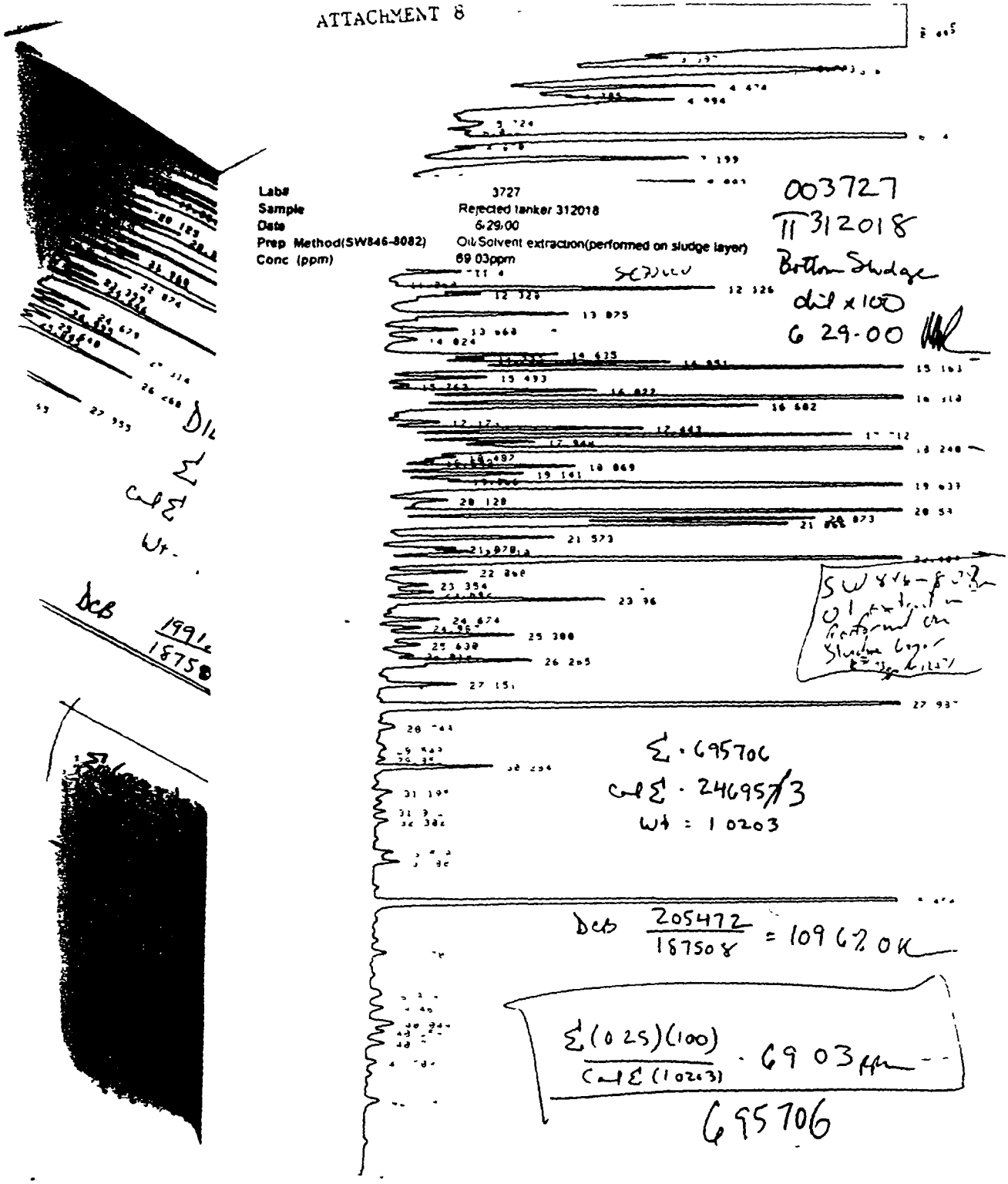
RUN# 755 JUL 16 2008 01124130

SAMPLE# 1

AREA

RT	AREA	TYPE	WIDTH	AREA%
1 600	160398	PV	418	16 61555
3 690	3835	BV	149	37841
4 553	3211	PV	169	31684
4 845	4254	VB	142	41976
5 122	12048	VP	139	1 18081
6 527	2077	PV	[illegible]	20494
6 896	2661	VV	139	26257
8 732	10922	VP	207	1 07771
[illegible] 725	26627	BV	120	2 62737
925	10059	VB	161	99255
2 562	1532	BB	127	1 51177
[illegible] 228	5250	BB	12	51802
4 322	4642	PV	180	46297
4 436	[illegible]	VV	121	2 08378
[illegible]	52884	VV	128	5 21833
[illegible]	[illegible]	[illegible]	[illegible]	79392
5 545	16783	PV	[illegible]	1 64814
[illegible]	[illegible]	VV	[illegible]	[illegible] 33228
[illegible] 118	[illegible]	VS	119	2 34447
[illegible] 521	[illegible]	BP	105	32434
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 8732
[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 10328
[illegible]	[illegible]	[illegible]	[illegible]	51631
[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	38798
	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	69624
[illegible]	[illegible]	[illegible]	[illegible]	83843
[illegible]	[illegible]	[illegible]	[illegible]	4 83346
[illegible]	[illegible]		[illegible]	4 53965
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 8886
[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible] 6822
[illegible]	[illegible]	[illegible]	[illegible]	59405
[illegible]	[illegible]	[illegible]	[illegible]	43594
[illegible]	[illegible]		[illegible]	53639
[illegible]	[illegible]	[illegible]	[illegible]	46205
[illegible]	[illegible]	[illegible]	[illegible]	45874
[illegible]	[illegible]	[illegible]	[illegible]	26513
[illegible]	112[illegible]		[illegible]	49576
[illegible]	[illegible]	[illegible]	[illegible]	1 [illegible]6282
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7336
[illegible]	[illegible]	[illegible]	[illegible]	86498

ATTACHMENT 8



Lab# 3727
Sample Rejected tanker 312018
Date 6/29/00
Prep Method(SW846-8082) Oil/Solvent extraction(performed on sludge layer)
Conc (ppm) 69.03ppm

003727
T312018
Bottom Sludge
dil x100
6 29-00

SW846-8082 Oil extraction performed on Sludge layer

Σ = 695706
cal Σ = 2469573
Wt = 10203

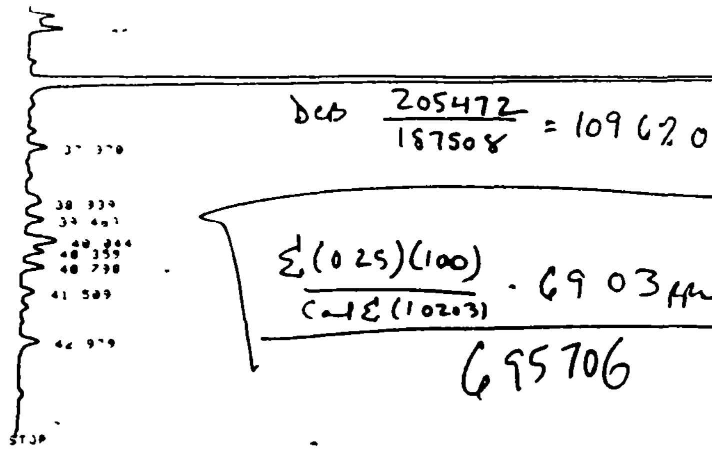
Dcb 205472 / 187508 = 109.62 OK

Σ(0.25)(100) / cal Σ(10203) = 69.03 ppm
695706

JDB 6-29-00

6903

10203



Dcb $\frac{205472}{187508}$ = 109.62% OK

$$\frac{\Sigma(0.25)(100)}{\text{Cal } \Sigma(1.0203)} \cdot 69.03 \text{ ppm}$$

695706

JDG 6-29-00

RUN# 362 JUN 29 2000 20:27:11

SAMPLE# 1

AREA%

RT	AREA	TYPE	WIDTH	AREA%
2.110	1[illegible]56320	PV	[illegible]	96.42826
2.364	412025	VV	[illegible]	23260
2.482	532030	VV	200	06561
3.397	129988	VV	256	07341
3.[illegible]3	85465	VV	116	04826
3.637	301825	VV	[illegible]	17044
4.[illegible]4	100594	VV	75	05681
4.795	31832	VV	80	01798
[illegible]	106[illegible]03	V	21	06030
[illegible]24	43153	VV	285	0243[illegible]
[illegible].032	9980	VV	158	01123
[illegible].34	300997	VV	9[illegible]	7449
[illegible]	[illegible]23	VV	[illegible]	0.560
[illegible]	[illegible]8446	[illegible]	205	055[illegible]
[illegible]59	1142	PB	[illegible]	00064
3.003	62048	BV	20	03504
[illegible]	1[illegible]82	VV	3[illegible]9	0.117
[illegible].035	51540	V	3[illegible]4	029[illegible]3
[illegible]	30616	VP	20	01[illegible]29
[illegible]	55[illegible]3	PV	[illegible]	[illegible]
[illegible]	[illegible]1359	[illegible]	[illegible]	012[illegible]4
[illegible]	37[illegible]	BV	[illegible]	[illegible]5
[illegible]	38[illegible]	VV	[illegible]	0021[illegible]
[illegible]	09[illegible]	[illegible]		00503
[illegible]	[illegible]	[illegible]	20	00[illegible]1[illegible]
[illegible]	[illegible]5	[illegible]	[illegible]	00111
[illegible]	[illegible]39	VV	1[illegible]	04[illegible]0
[illegible]	[illegible]	V		0.1[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	P	[illegible]	00[illegible]44
[illegible]	[illegible]	P	[illegible]	0.[illegible]2
[illegible]	[illegible]	V	10	0125[illegible]
[illegible]	[illegible]25[illegible]	V	[illegible]	03534
[illegible]	[illegible]	[illegible]	[illegible]	0[illegible]340
5.[illegible]	[illegible]2154	VV	[illegible]	01252
1[illegible]	[illegible]79	[illegible]	140	00349
1[illegible]	[illegible]		[illegible]	0262
[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	V	[illegible]	[illegible]
16.595	50273	VV	141	03769
17.166	[illegible]160	VV	132	00537
17.435	32439	VV	126	02432
17.702	50090	VV	120	04356
17.940	17760	VV	123	01332
18.232	110255	V	140	00266
18.861	26074	VV	139	01985
19.134	19094	VV	143	01432
19.360	8119	VV	114	00609
19.631	120104	VV	210	09010
20.116	10793	VV	175	00809
20.385	79497	VV	127	05960
20.865	53402	VV	127	04004
21.057	67826	VV	102	05085
21.562	23312	VP	146	01748
21.956	7670	PV	114	00576
22.101	10820	VV	130	00812
22.402	102431	VV	153	07679
22.857	9766	VB	120	00732
23.347	4227	PB	125	00317
23.633	4260	BP	111	00319
23.951	26776	PB	136	02007
24.665	6817	PP	126	00511
24.976	5054	PV	134	00379
25.295	19175	VV	160	01438
25.625	5559	VV	154	00417
26.0[illegible]0	51[illegible]1	VV	1[illegible]6	00386

6903

1.0203

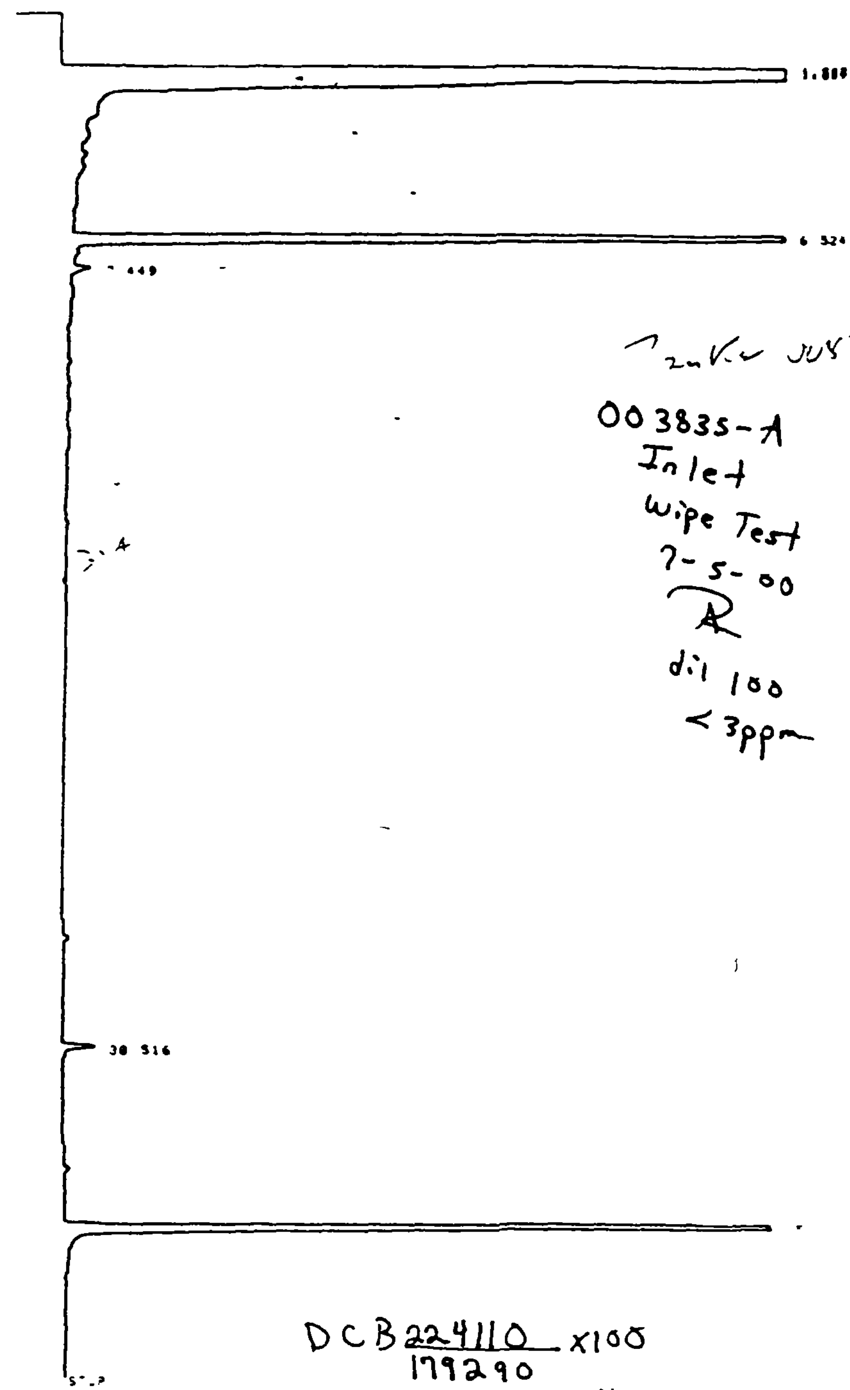
Inventory of PCB Chromatograms
(Wipe test / PCB clean up, Tanker # 008320)

Lab #	Sample	Date	Results
003835 A	Inlet valve	7/5/00	<3ppm (no PCB pressence detected)
003838 B	Outlet valve	7/5/00	<3ppm (no PCB pressence detected)
003835 C	area three	7/5/00	<3ppm (no PCB pressence detected)
003835 D	area one	7/5/00	<3ppm (no PCB pressence detected)
003835 E	area two	7/5/00	<3ppm (no PCB pressence detected)

SEQ START

RUN # 424 JUL 5 2000 16:00:26

START



Tanker JU83

003835-A

Inlet

Wipe Test

7-5-00

R

dil 100

< 3ppm

DCB $\frac{224110}{179290}$ x100 = 125% rec

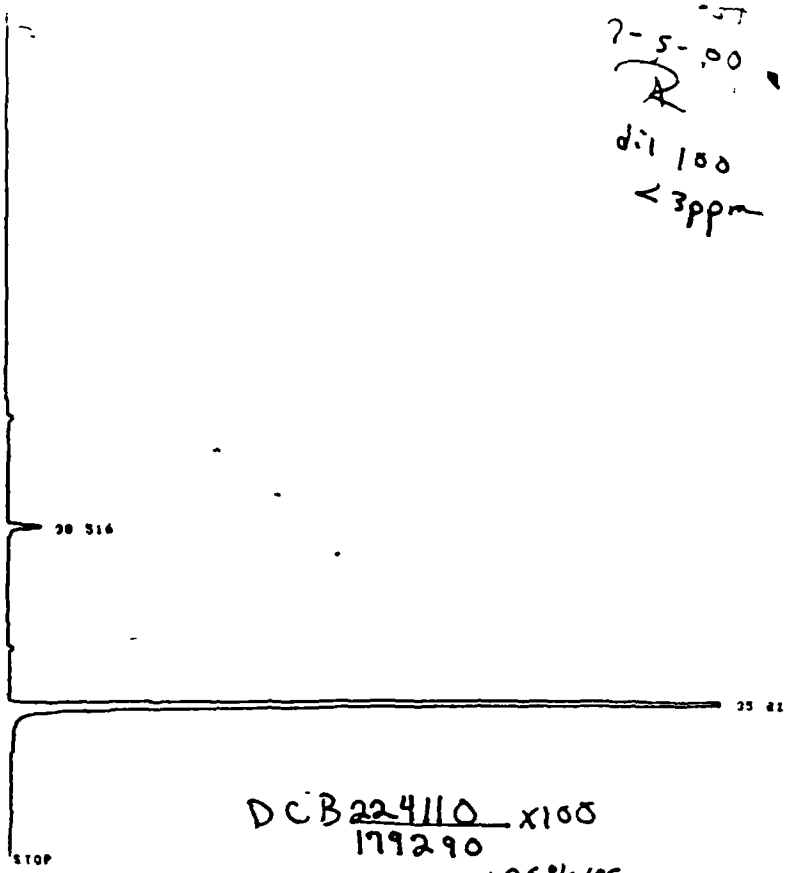
OK

RUN # 424 JUL 5 2000 16:00:26

SAMPLED

AREA

RT	AREA	TYPE	WIDTH	AREA
1.583	85300	P	.063	[illegible]
1.659	599316	B	.4	[illegible]
6.524	[illegible]			



7-5-00
R
dil 100
< 3ppm

DCB 224110 x100
199290
= 125% rec
OK

RUN# 489 [illegible] 5 2000 16:00:26

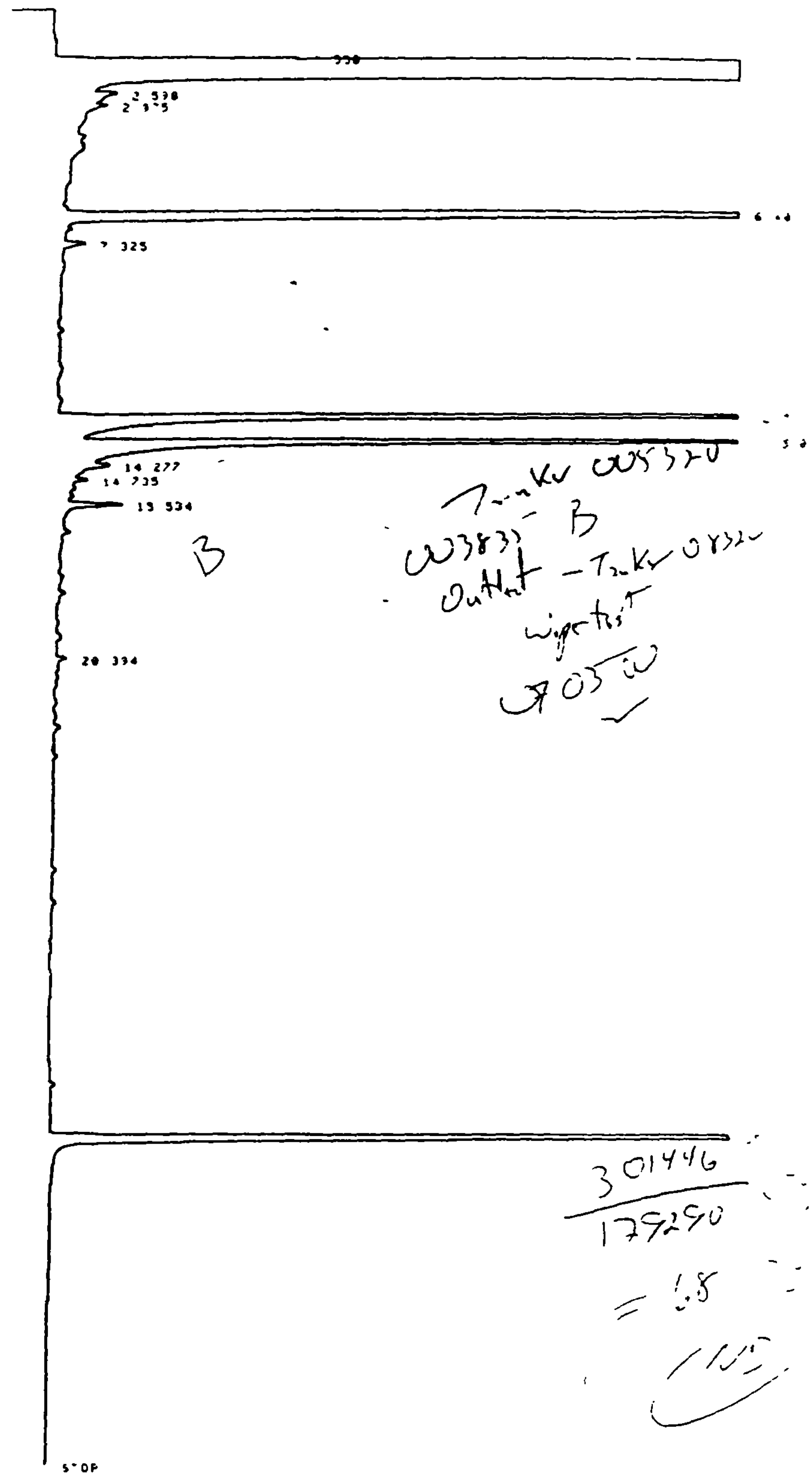
SAMPLE# 1

AREA%

	RT	AREA	T	PE	WIDTH		AREA%
1	593	85388		P	369	7	33893
1	058	555315		B	3 4	47	77746
6	524	287[illegible]1		PB	57	24	75886
7	449	34 6		BB	43		29398
30	516	6383		PB	42		54917
35	813	224 18		PB	133	19	28168

TOTAL AREA=1162295
RUN FACTOR=1 0000E+00

[illegible] Read[illegible]
[illegible] 498 JUL [illegible] 2000 [illegible] 44 39

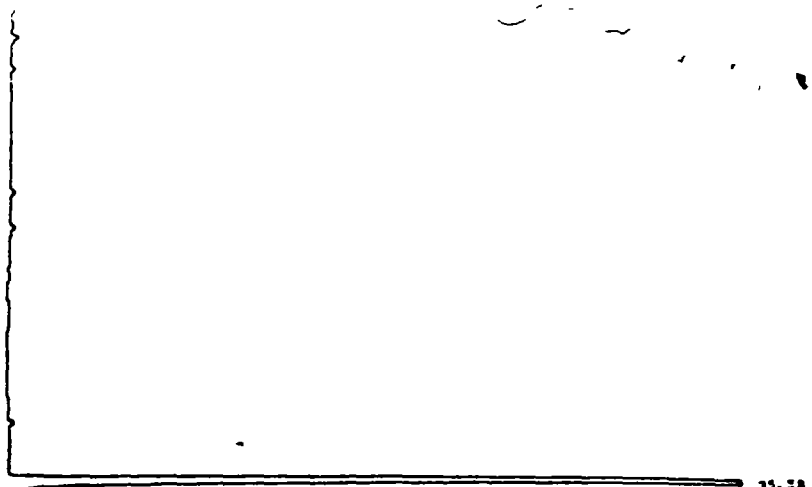


RUN# 498 JUL 5 2000 16 44

[illegible]PLED

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1 550	20130	P	060	35[illegible]
1 626	4554067	VV	309	79 534[illegible]
2 598	25714	VV	324	4511
2 975	28320	VV	439	496[illegible]
[illegible] 493	[illegible]	B	[illegible]0	[illegible]



301446 / 179290 = 168.13

(ND)

STOP

RUN# 498 JUL 5 2000 16:44:39

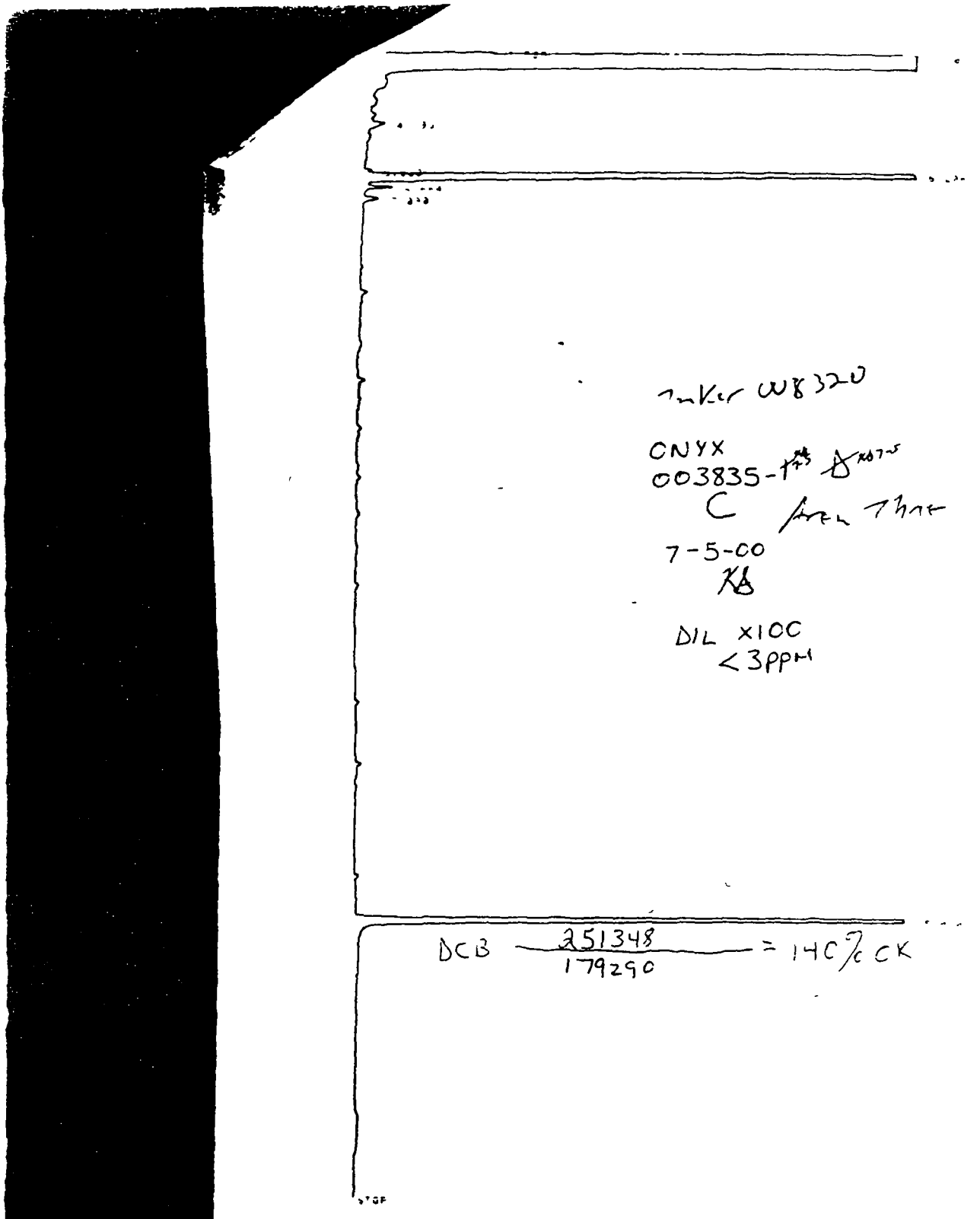
SAMPLE# 1

AREA%

	RT	AREA	TYPE	WIDTH	AREA%
	550	28130	PV	0.8	35329
	626	4554067	VV	1.89	79 89424
2	538	25714	VV	1.24	45111
2	975	29328	VV	1.4	49697
6	489	371331	VB	2.8	6 51444
7	2.5	4237	PB	1	07433
12	739	287132	PB	4	3 63382
3	578	169117	PB	2.1	2 96698
4	2.7	4182	SP	1.8	07337
4	7.5	812	PP	0.35	03179
5	534	3869	PB	1.7	13048
28	334	748	PB	1	03067
35	585	301446	PB	3	5 28841

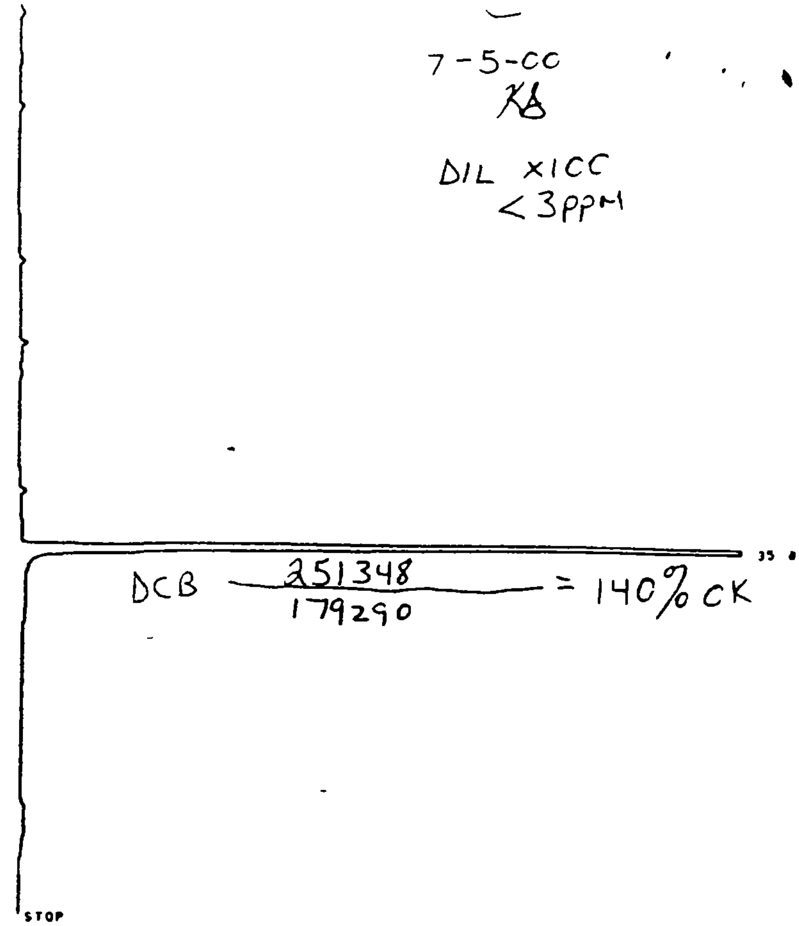
TOTAL AREA=570122

MUL FACTOR=1.0000E+00


Tanker WB320
ONYX
003835-1
C
7-5-00
DIL X10C
<3PPM
DCB 251348 / 179290 = 140% CK

7-5-00
KB

DIL X1CC
<3ppm



DCB $\frac{251348}{179290}$ = 140% CK

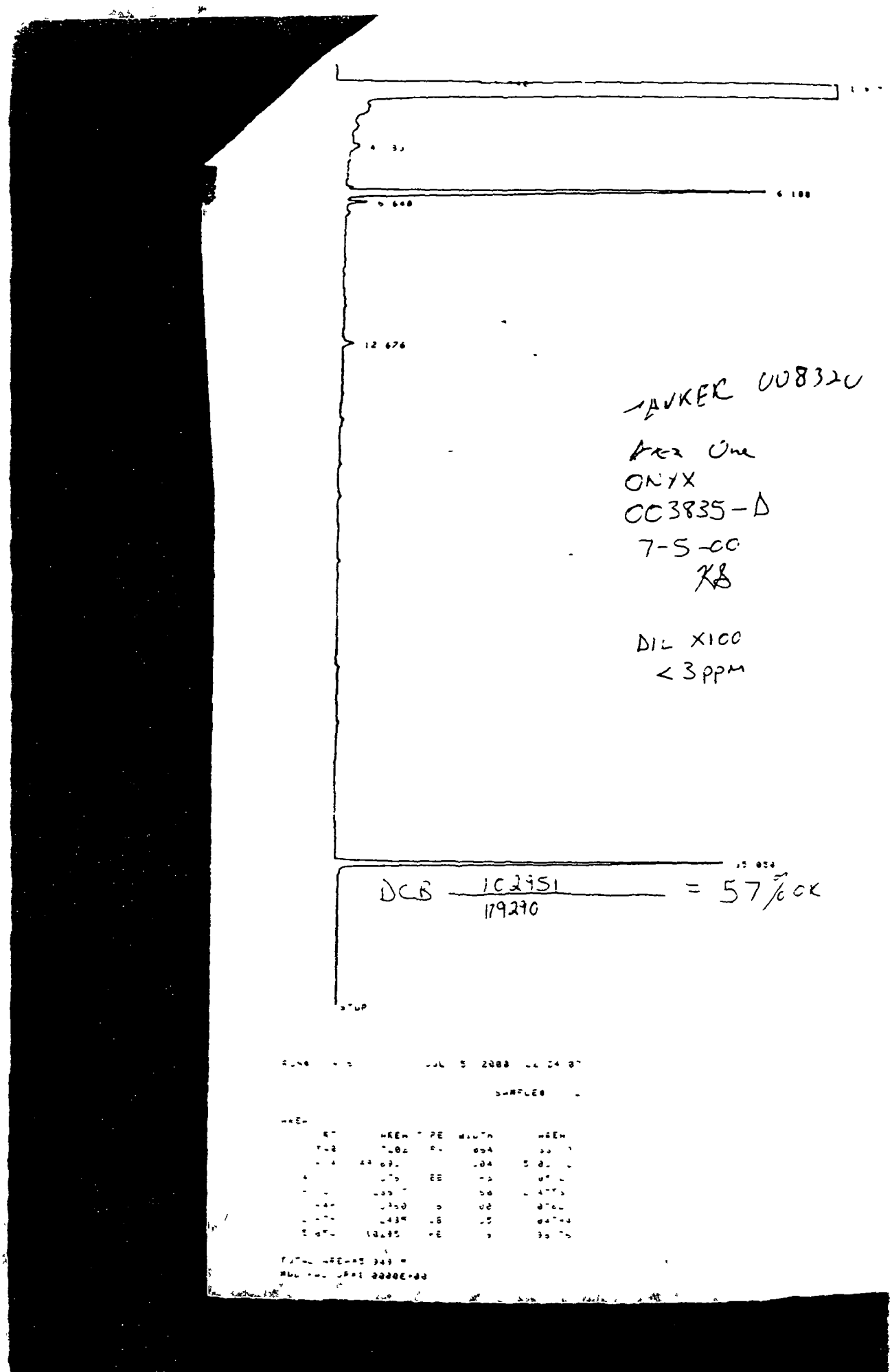
RUN# 495 JUL 5 2000 21:35:06

SAMPLE#

AREA%

RT	AREA	TYPE	WIDTH	AREA%
535	5255	P	.066	.6082[illegible]
[illegible]9	1[illegible] 35	[illegible]	.33	75.4056[illegible]
4.193	[illegible]533	PP	.33	.18075
6.[illegible]3	[illegible]35	P[illegible]	[illegible]	.84924
[illegible]06[illegible]	[illegible]105		[illegible]	13.[illegible]
[illegible]4	[illegible]7	B	[illegible]	.[illegible]9
7.838	[illegible]08	BB	[illegible]4	.14354
35.050	251348	[illegible]B	[illegible]	10.84285

TOTAL AREA=250[illegible]944
MUL FACTOR=1.0000E+00



ANKER 008320

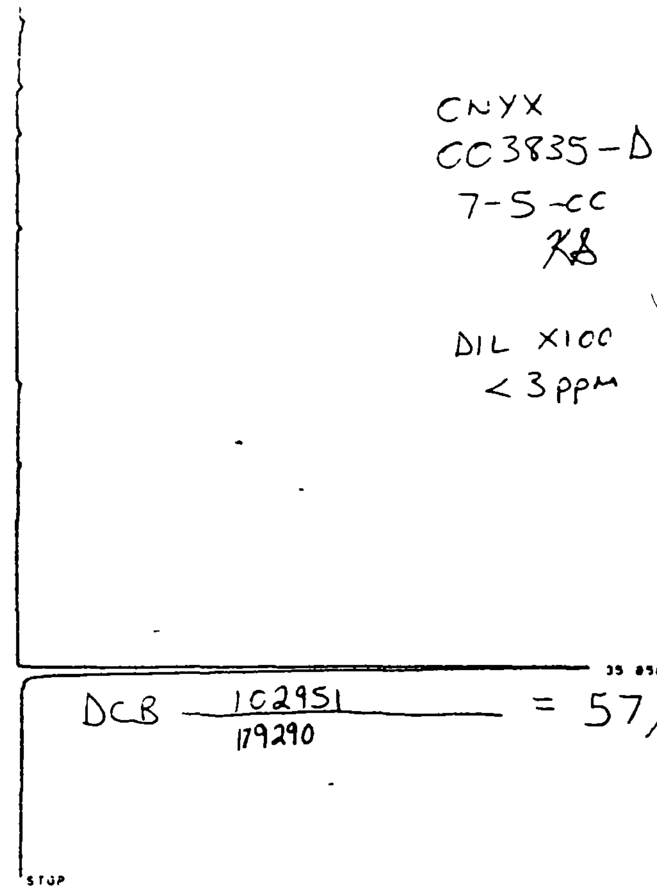
Area One
ONYX
CC3835-D
7-5-00
KS

DIL X100
< 3 ppm

DCB $\frac{102951}{179290}$ = 57% OK

CNYX
CC3835-D
7-5-00
KS

DIL X100
< 3 ppm



DCB $\frac{102951}{179290}$ = 57% OK

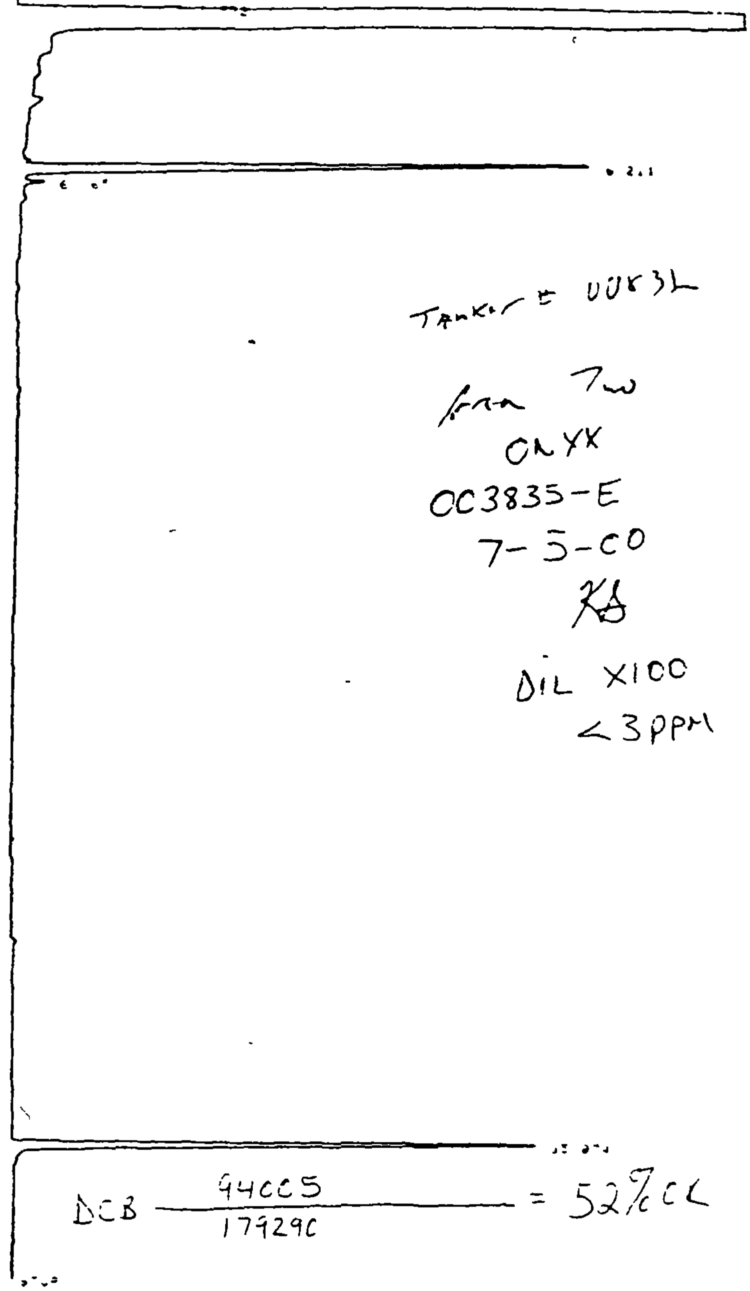
RUN# 496 JUL 5 2000 22:24:07

SAMPLE# 2

AREA%

RT	AREA	TYPE	WIDTH	AREA%
548	[illegible]202	P[illegible]	[illegible]64	331.3
6 4	4930931	[illegible]	384	95 03392
4 83	2[illegible]69	56	[illegible]8	05328
6 38	23617	[illegible]	60	2 4[illegible]533
6 -40	3[illegible]00	[illegible]6	00	07623
[illegible]	[illegible]485	66	[illegible]5	04[illegible]04
35 858	[illegible]295	P8	33	1 98176

TOTAL AREA=5 94915
MUL FACTOR=1 0000E+00



[illegible] JUL 5 2000 23 [illegible]

SAMPLE#

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.552	15387	[illegible]	[illegible]	1.[illegible]
[illegible].038	1[illegible]79	[illegible]	.301	3[illegible]
[illegible]	[illegible]534		.159	[illegible]
[illegible]	852	[illegible]	.100	[illegible]
[illegible].874	[illegible]	[illegible]	[illegible]	[illegible]

TOTAL AREA=[illegible]
MUL FACTOR= [illegible]E+00

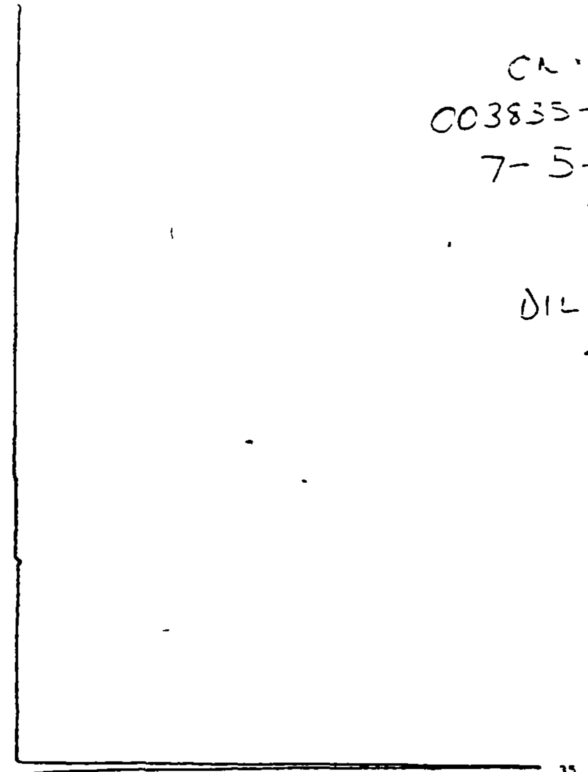
CR

003835-E

7-5-00

DIL x 00

<3PPM



DCS $\frac{94005}{179290}$ = 52% CL

STOP

RUN# 437 JUL 5 2000 23 18:30

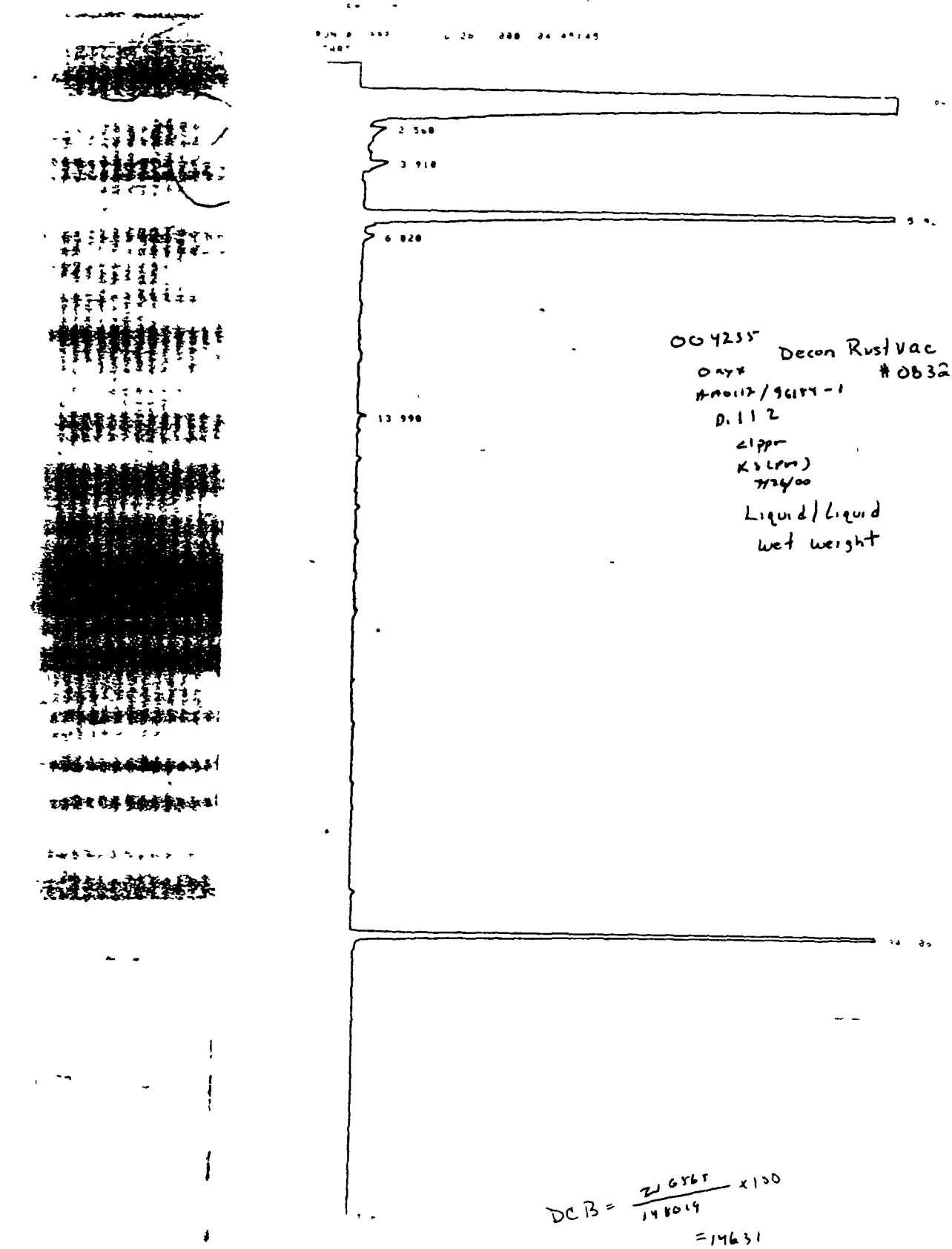
SAMPLE# 1

AREA

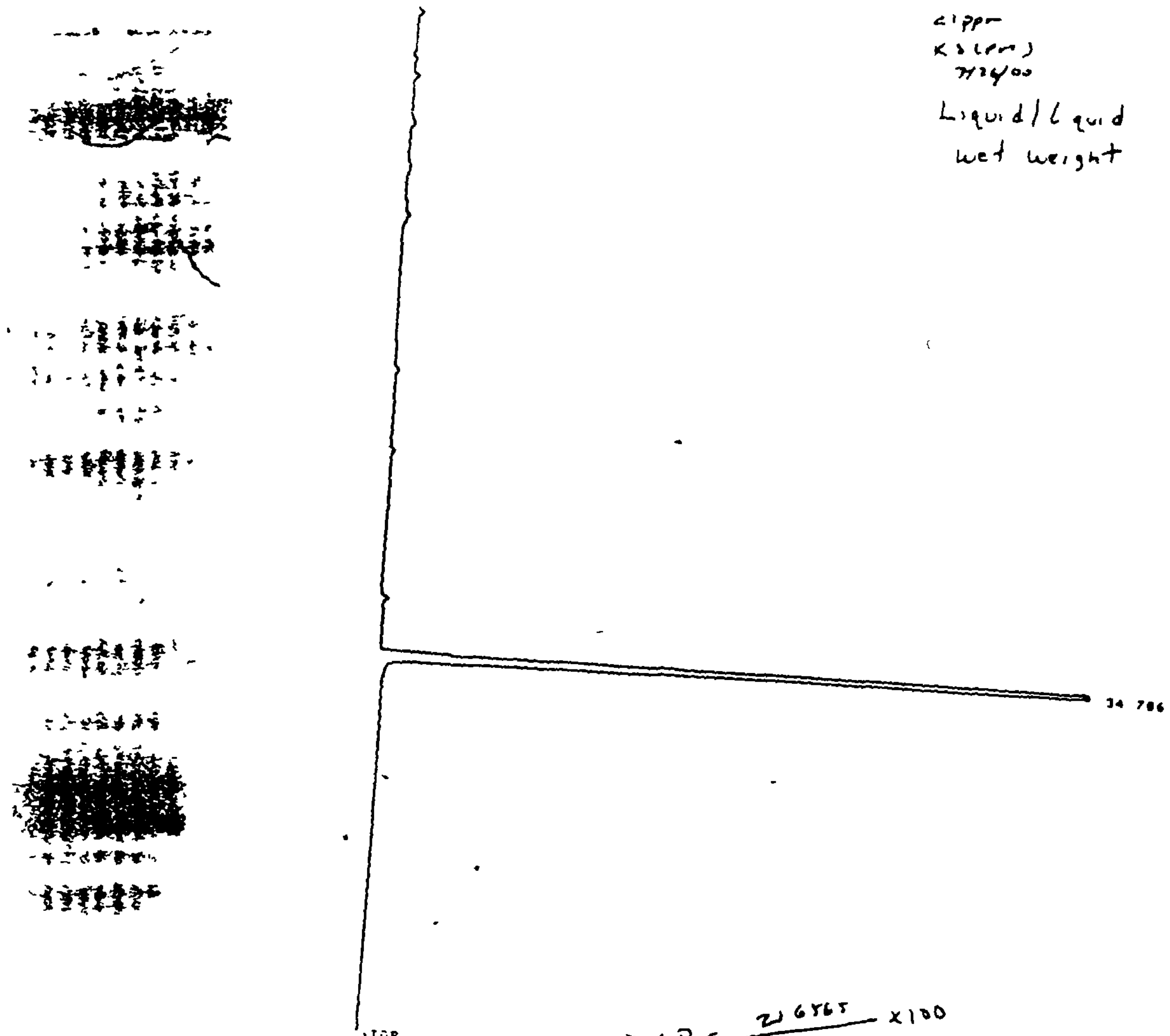
RT	AREA	TYPE	WIDTH	AREA%
552	5387		073	1 00456
630	1289673		301	83 97.55
6 21	5539		159	5 22.55
6 965	3851		88	2 66
35 874	94005		37	6 52549

TOTAL AREA=1440582
MUL FACTOR=1 0000E+00

ATTACHMENT 10



Liquid/Liquid
wet weight

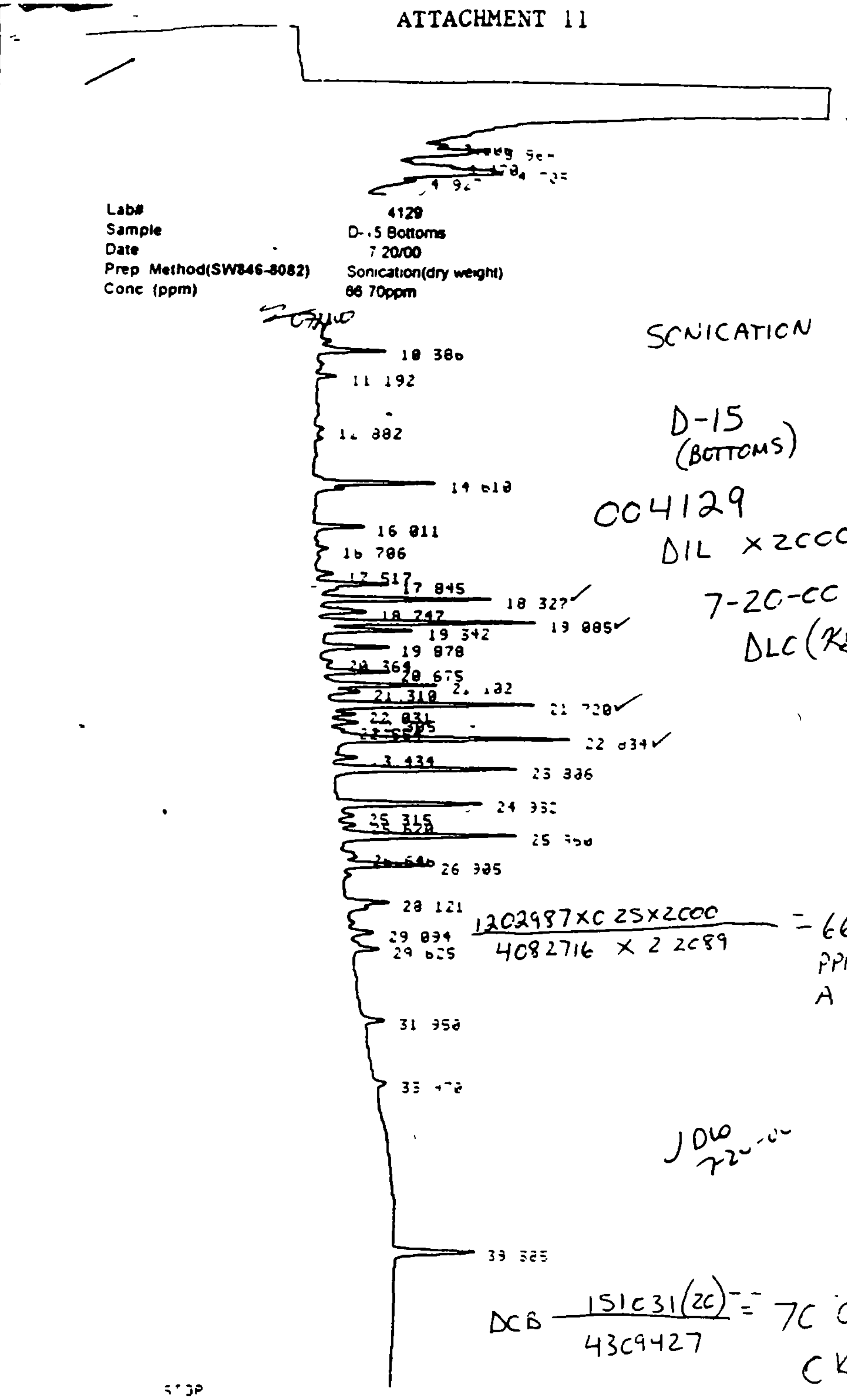


$$DCB = \frac{216565}{148019} \times 100$$

$= 146.31$

JUL 25 2000

Lab#	4129
Sample	D-15 Bottoms
Date	7 20/00
Prep Method(SW846-8082)	Sonication(dry weight)
Conc (ppm)	66 70ppm



SONICATION

D-15 (BOTTOMS)

004129

DIL x2000

7-20-00

DLC (KB)

$\frac{1202987 \times 0.25 \times 2000}{4082716 \times 2.2089} = 66.$ PPM

A 12

JDW 7-20-00

DCB $\frac{151031(20)}{4309427} = 70.0$

OK

RUN# [illegible] JUL 20, 2000 [illegible]

SAMPLE# [illegible]

[illegible]

RT	AREA	TYPE	WIDTH	AREA%
[illegible]	[illegible]03090	[illegible]	[illegible]	[illegible]
[illegible]	1517036	[illegible]	[illegible]	[illegible]
[illegible]	76527	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

29 385

DCB $\frac{151c31(2c)}{43c9427}$ = 7C C, CK

5:0P

RUN# 8339 JUL 20, 2000 17:59:27

SAMPLE# 11

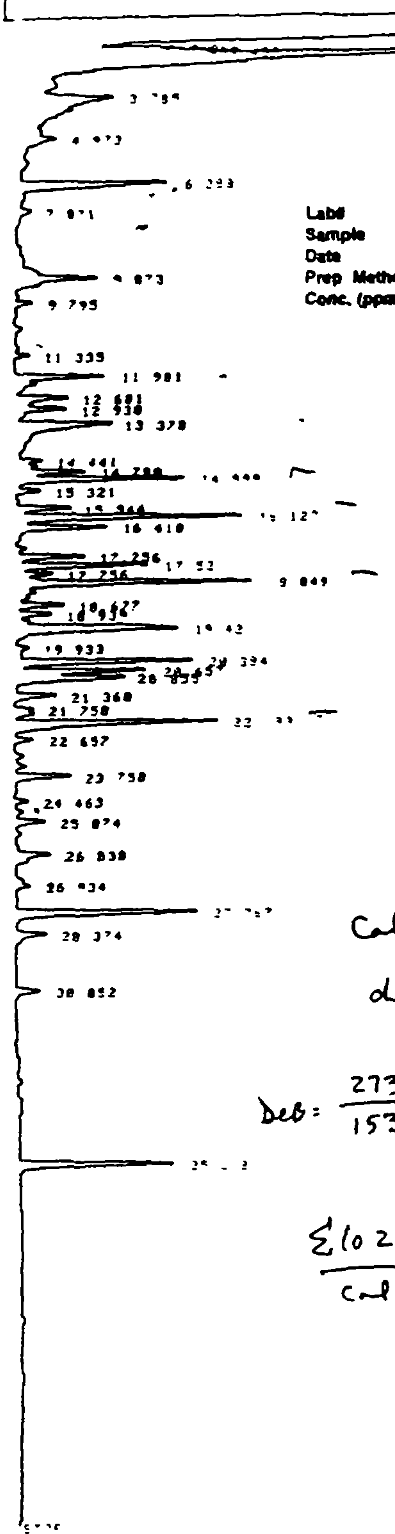
HP 5890 CAP CH 2

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1 928	140203230	SBB	322	95 07027
2 542	1517206	TBB	197	00146
3 806	36527	TPV	125	02363
3 968	165409	TVP	192	10700
4 470	68434	TPV	103	04427
4 705	329211	TVV	246	21296
4 927	79550	TVP	193	05146
5 423	52925	TPP	153	03424
6 601	58806	TPV	303	03804
7 154	168779	TVV	145	10918
7 804	52073	TPV	124	03369
10 386	95916	VB	127	06205
11 192	26834	BB	114	01736
12 802	19774	PV	166	01279
14 610	170585	PV	124	11035
16 011	71533	PB	124	04627
16 706	11967	PB	093	00774
17 517	24256	BP	126	01569
17 645	97317	PV	121	06295
18 327	225097	VB	115	14561
18 747	90946	BP	154	05236
19 085	290440	PV	117	18788
19 342	123432	VB	121	07985
19 870	93203	BP	123	06029
20 364	10741	PB	102	00695
20 675	84644	BP	117	05475
21 [illegible]	151365	PV	121	09792
21 [illegible]	52412	VV	137	03390
[illegible]	[illegible]	VV	133	20479
22 031	34080	[illegible]	117	02205
22 705	43055	P	137	02785
22 954	14042	[illegible]	100	00908
[illegible]	[illegible]	B	137	23991
23 474	[illegible]	PP	112	[illegible]
[illegible]	[illegible]	PB	142	[illegible]
[illegible]	[illegible]	PB	56	[illegible]
25 315	[illegible]	BP	120	01344
25 420	[illegible]	P	121	01515
25 960	[illegible]	B	154	20163
26 646	[illegible]	P	211	[illegible]
26 965	[illegible]	B	140	06511
28 [illegible]	[illegible]	[illegible]	139	[illegible]
29 044	42223	P	155	02732
29 625	[illegible]	B	109	[illegible]
31 950	[illegible]	BB	139	[illegible]
33 470	[illegible]	BB	160	[illegible]
39 385	[illegible]	PB	161	[illegible]

TOTAL AREA=1 5459E+06
MUL FACTOR=1 0000E+00

ATTACHMENT 12



Lab#	4164
Sample	D-15 core sample
Date	7/23/00
Prep Method(SW846-8082)	Sonication(dry weight)
Conc. (ppm)	70 87ppm

004164
D15
Core Sample
Sonication
dil x1000
7 23-00
SGF / MR

Σ = 148227

Cal Σ = 246343

dil x 1000

Dcb = $\frac{27366\ (1000)}{153680\ (100)}$ = 178 %

$\frac{\Sigma (0.25)(1000)}{\text{Cal } \Sigma\ (100)}$ = 150.43 ppm Ar254

70.87

TCMX = $\frac{31962\ (1000)}{278562\ (100)}$ = 114.7 OK

[illegible] 23 1988 9:42:01

SAMPLE# 2

AREA%

RT	AREA	TYPE	WIDTH	AREA%
493	5 58	BB	.028	4.42865
.75	[illegible]	BV	.068	3.[illegible]789
.53	522998	VB	.254	38.55922
2.366	5275	BV	.065	.43763
2.457	967	VV	.076	.82762
[illegible].549	99881	VV	.84	6.90448
[illegible].795	23562	PV	.158	1.64325
4.073	4455	VB	.137	.31070
[illegible].128	961	VV	.63	2.22988
[illegible].87	3232	VB	.38	.22540
[illegible].873	279 5	BP	.227	.56889
[illegible].799	2 53	[illegible]B	.097	.15120
.735	53	BB	.892	.12770
1.99	15887	BV	.126	1.05219
12.58	227	VV	.157	.78996
12.928	8345	VV	.53	.72148
12.379	311[illegible]	VB	.247	2.16973
[illegible].44	32 [illegible]	BV	.104	.22394
[illegible].738	10840	VV	.22	.75600
[illegible].999	27225	VV	.124	1.99871
5.22	[illegible]	B	.16	.27525
5.344	[illegible]	P	.36	.69358
6.[illegible]	[illegible]	[illegible]	.35	2.77732
[illegible].4[illegible]8	4255	VB	.27	1.03622
[illegible].256	11302	VV	.122	.78822
[illegible].521	2[illegible]095	VV	.122	1.47120
17.756	5879	VV	.118	.40994
[illegible]3.849	40851	VV	.131	2.84901
18.677	8813	VV	.134	.61463
18.979	6395	VV	.133	.44530
19.427	43899	VV	.205	3.06150
[illegible].933	4376	VV	.222	.30519
20.384	30406	VV	.38	2.12056
[illegible]8.657	2[illegible]372	VV	.123	1.49851
[illegible]8.959	2463[illegible]	VV	.168	1.72136
2[illegible].[illegible]8	[illegible]	P	.138	.24782
2[illegible].[illegible]	[illegible]84	PV	.115	.21562
22.[illegible]	4[illegible] 73	VV	.58	2.31253
[illegible]	3[illegible]	[illegible]	[illegible]	.23607
[illegible]	[illegible]	PB	.3[illegible]	.58193
24.4[illegible]2	[illegible]	BP	[illegible]	.5692
[illegible].2[illegible]	[illegible]34	B	[illegible]	.35192
[illegible]	[illegible]	BB	[illegible]	.55376
[illegible].934	[illegible]	BB	.1[illegible]	.25351
[illegible]	24[illegible]	PB	.45	2.39485
[illegible]	[illegible]54	BB	[illegible]2	.46486
[illegible].2[illegible]	5098	BB	.153	.35499
[illegible]	27366	BB	.26	.90955

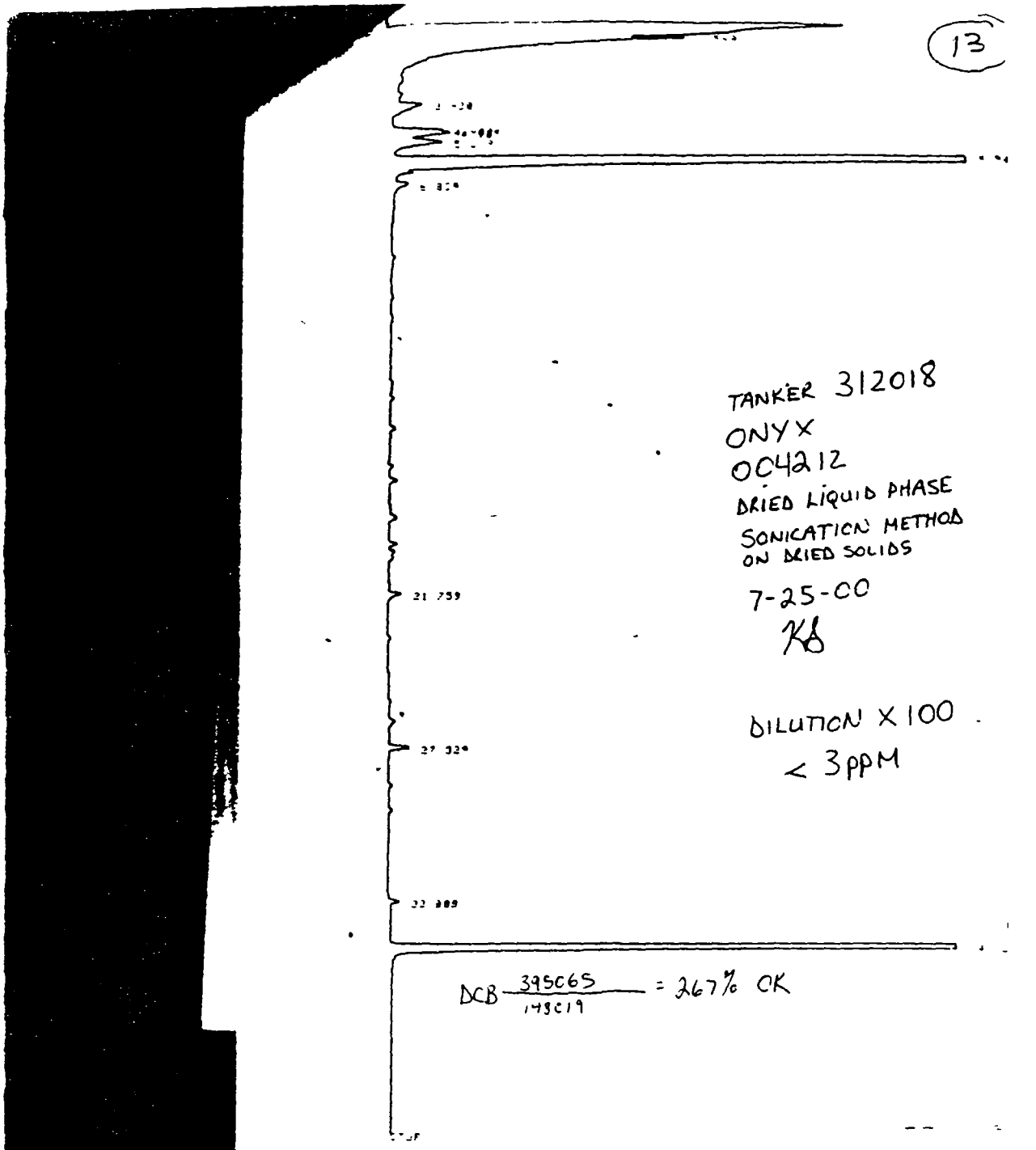
TOTAL AREA=1433867
MUL FACTOR=1.0000E+00

$$TCMx = \frac{31962\,(1000)}{278562\,(100)} = 114$$

OK

ATTACHMENT 13

13



TANKER 312018
ONYX
004212
DRIED LIQUID PHASE
SONICATION METHOD
ON DRIED SOLIDS
7-25-00
KS

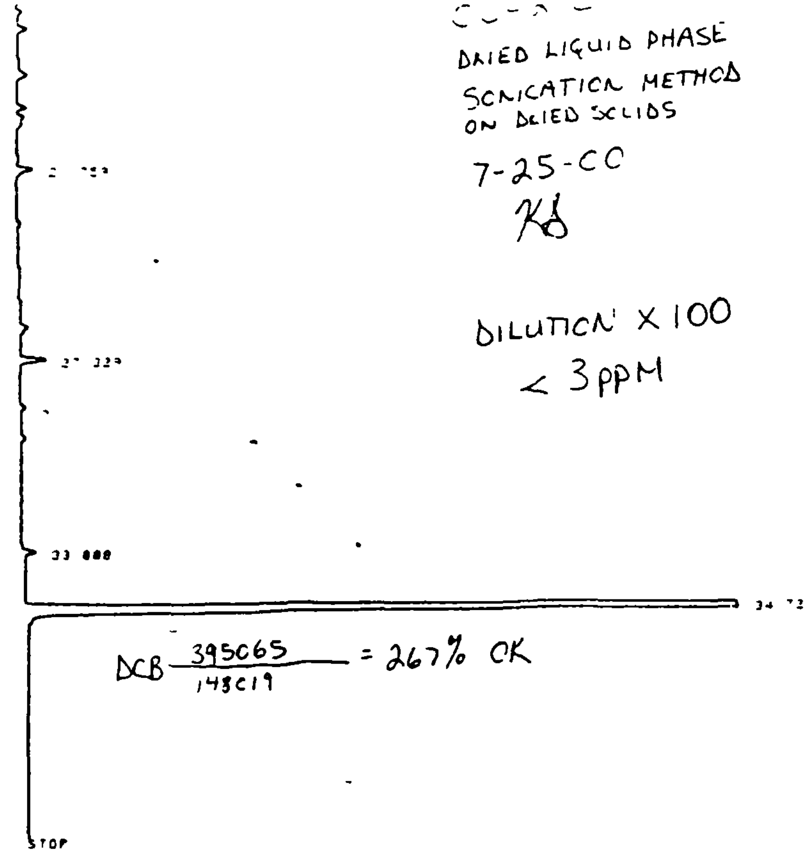
DILUTION X 100
< 3ppM

DCB $\frac{395065}{149019}$ = 267% OK

DRIED LIQUID PHASE
SONICATION METHOD
ON DRIED SOLIDS

7-25-00
KS

DILUTION X 100
< 3 ppM



DCB $\frac{395065}{148019}$ = 267% OK

RUN# [illegible]92 JUL 25, 2000 23:46:06

SAMPLE# 1

[illegible]

AREA%

RT	AREA	TYPE	WIDTH	AREA%
[illegible]	[illegible] 446	F	.416	2[illegible] 56239
[illegible]	[illegible]	[illegible]	.352	[illegible] 3325[illegible]
[illegible]	22 4	[illegible]	[illegible]	3994
[illegible]	[illegible]	[illegible]	[illegible]	62729
[illegible]	[illegible]		[illegible]	25734
[illegible]			[illegible]	53356
[illegible]	[illegible]	[illegible]	[illegible]	858 4
[illegible]	[illegible]		.145	[illegible]
21 [illegible]	[illegible]	BB	.19	[illegible]415
2[illegible]	[illegible]	BB	[illegible]	40061
33 088	[illegible]	BB	.12	156[illegible]
34 72	395065	PB	[illegible]	23 [illegible]2204

TOTAL AREA= 33037[illegible]
MUL FACTOR=1 0000E+00

7/25/00
CONF. CALL

DIS 3.92% SOLIDS
TANKER 1.2% SOLIDS

> ALL TSAA – TOO EXPENSIVE TO SEPARATE (CAN'T DO AT ONYX FACILITY & NOT PERMITTED)

LOST REVENUE FOR TANK – ~~[illegible]~~ 1 MONTH – TURNOVER EVERY 4 DAYS – $1.10/GALLON
$76,200 COST REVENUE
TANKER TRAILER – $4200/MONTH

CURRENTLY 6650 GALLONS IN DIS
4600 IN TANKER
51¢/LB DISPOSAL
~~[illegible]~~ $47,794.70
3 LOADS TO TRANSPORT $11,550
59,384
– 4530
~ $50,000

NEXT CALL 8/2
10:00 A – TONY SUGG TO SET UP

MIKE WEBB PULLED SAMPLE FROM TRAP – CALLED BY GARY – SAMPLE WATER
LBG SAMPLED SLUDGE FROM LINE.
SPRINGFIELD ENV. DID ANALYTICAL
FAXED TO LBG & GARY RESULTS
KEN OF MIKE PLANT TOLD ONYX IT WAS A RCRA WASTE, DISPOSE AS APPROPRIATE

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No. OHD074703547 Manifest Document No. 16779 00 | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CHRYSLER DAYTON THERMAL
1600 WEBSTER ST., DAYTON, OH 45404
4 Generator's Phone (937) 224-2467

A. Manifest Document Number

B. State Generator's ID

5 Transporter 1 Company Name | 6. US EPA ID Number OHD986986040 | C. State Transporter's ID
ONYX INDUSTRIAL SERVICES, INC. | D. Transporter's Phone 937-237-1097

7 Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number OHD093945293 | G. State Facility's ID
ONYX ENVIRONMENTAL
4301 INFIRMARY ROAD
WEST CARROLLTON, OH 45459 | H. Facility's Phone 937-859-6141

	11 US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12 Containers No.	Type	13 Total Quantity	14 Unit Wt/Vol	I Waste No.
GENERATOR a. X	RQ,HAZARDOUS WASTE LIQUID,N.O.S.,9,NA3082), III,(D040) (TRICHLOROETHYLENE)	001	TT	~~3500~~ 3500	G	D040
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
ALSO D039

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WHIP NUMBER 448314
IN CASE OF EMERGENCY (937) 237-1097 ERG# 171

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: PETER K SCHOEPFLIN | Signature: Peter K. Schoepflin | Month Day Year: 07 19 00

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert W. Maad | Signature: Robert W. Moon | Month Day Year: 07 19 00
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY
19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name: Linda L. Jarvis | Signature: Linda L Jarvis | Month Day Year: 07 19 00

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Post-it® Fax Note 7671	Date 7/25	# of pages ▶ 2
To Mike Curry	From K Hennessey	
Co./Dept	Co.	
Phone #	Phone #	
Fax # 776-7369	Fax #	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator's US EPA ID No: OED074703547 | Manifest Document No: 61300 | 2 Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CHRYSLER DAYTON THERMAL
1600 WEBSTER ST., DAYTON, OH 45404
4 Generator's Phone (937) 224-2457

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: ONYX INDUSTRIAL SERVICES, INC.
6 US EPA ID Number: OHD986960400
C. State Transporter's ID
D. Transporter's Phone 937-237-1097

7 Transporter 2 Company Name
8 US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9 Designated Facility Name and Site Address
ONYX ENVIRONMENTAL
4301 INDUSTRIAL ROAD
WEST CARROLLTON, OH 45459
10. US EPA ID Number: OHD093743393
G. State Facility's ID
H. Facility's Phone 937-859-6101

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. X RQ, HAZARDOUS WASTE LIQUID, N.O.S., 9, NA3082). OIL, (D040) (TRICHLOROETHYLENE)	001	DM	00400	G	D040
b.					
c.					
d.					

GENERATOR

J. Additional Descriptions for Materials Listed Above
ALSO D039

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
WHIP NUMBER 446314
IN CASE OF EMERGENCY (937) 237-1097 ERG# 171

16. GENERATOR'S CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: PETER SCHOEPFLIN | Signature | Month 10 Day 13 Year 95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: KENNETH E WALLACE | Signature | Month 10 Day 13 Year 95

18 Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name | Signature | Month Day Year

Style F15 Labelmaster An American Labelmark Co., Chicago IL 60646 (800) 621 5808

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete

PROPOSAL

ONYX Industrial Services, Inc.
6151 Executive Blvd.
Huber Heights, OH 45424
(937) 237-1097
Fax: (937) 237-1850
Fax: (937) 237-3669 (Accounting & Sales)

PROPOSAL SUBMITTED TO:	DESCRIPTION OF JOB:	
DAIMLER CHRYSLER	Job	
800 CHRYSLER DR.	Address	
AUBURN HILLS, MI 48326	City	State
ATTN. MR. GARY STANCZUK	Phone 248-576-7365 FAX#937-573-7369	Date 7/19/2000

We hereby submit specifications and estimates for

ONYX INDUSTRIAL SERVICES, INC. IS PLEASED TO PROVIDE THE FOLLOWING ESTIMATE TO TRANSPORT AND DISPOSE OF WASTE AND DRUMS AT ONYX ENVIRONMENTAL.

1. DISPOSAL TSCA/INCINERATION (NON TSCA)

3000 GALLONS TO TWI (NON-TSCA)	1.40 PER GALLON.....	$4200.00
TRANSPORTATION TO TWI..		$1300.00 PER TRIP
7175 GALLON TO PORT AURTHUR (TSCA)	.51 PER LB..	$30,481.55
TRANSPORTATION TO PORT AURTHUR (2 LOADS).....		$3850.00 PER TRIP
14 DRUMS DAYTON THERMAL (TSCA).....		$ 560.00 PER DRUM
2 DRUM DECON ONYX TURBO.....		$ 560.00 PER DRUM
TRANSPORTATION TO PORT AURTHUR.		$3850.00
16 DRUMS FROM ADDITION TAKE CLEAN OUTS (NON TSCA).....		$ 200.00 PER DRUM
CLEAN OUT (DECON) D-15...		$3000.00
15 DRUM FROM D-15 DECON		$ 560.00 PER DRUM
DECON 2 TANKERS		$5600.00 PER TANK
TOTAL....		$79,011.55

We Hereby Propose to furnish labor and materials complete in accordance with above specifications, for the sum of

$ SEE ABOVE

With payment to be made as follows. NET 30 DAYS

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature MIKE WEBB

Note: This proposal may be withdrawn by us if not accepted within 30 days

ACCEPTANCE OF PROPOSAL— The above prices, specification and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date Accepted _____

Signature _____

SLUDGE FROM TANKER
186 PPM .2% WT

SLUDGE FROM HOLDING TANK
66.7 PPM .07% WT

1900 GALLONS FROM ~~TANKER~~ ANOTHER TANK TO TRAILER
> 2.5 PPM

→ 16 REMAINING DRUMS
→ HOLDING TANK PHASES

BALANCE COST OF GOING STRAIGHT TO
TSCA FOR DIS WATER VS. TYING
IN TANK

ONYX

PROPOSAL

ONYX Industrial Services, Inc.
6151 Executive Blvd.
Huber Heights, OH 45424
(937) 237-1097
Fax: (937) 237-1850
Fax: (937) 237-3669 (Accounting & Sales)

Page No.____ of____ Pag

PROPOSAL SUBMITTED TO:	DESCRIPTION OF JOB:	
DAIMLER CHRYSLER	Job	
800 CHRYSLER DR.	Address	
AUBURN HILLS. MI 48326	City / State	
ATTN: MR. GARY STANCZUK	Phone 248-576-7365 FAX#937-378-7369	Date 7/19/2000

We hereby submit specifications and estimates for:

2. DISPOSAL OF TSCA WASTE
DISPOSAL LIQUID 10,175 PER GALLON .51 PER LB.....$43,226 45
TRANSPORTATION TO PORT AURTHUR (3 LOADS).....$3850.00
DRUM DISPOSAL (34 DRUMS)..... .....$ 560 00 PER DRUM
D-15 DECON.....$3000.00
SLUDGE FROM D-15 (15 DRUMS).....$ 560.00 PER DRUM
RINSE FROM DECON 2000 GALLONS .51 PER LB.....$8496.50
TRANSPORTATION TO PORT AURTHUR (DRUMS)... .....$3850.00
TANKER DECONS (3 TANKERS).....$5600.00

TOTAL.. ... .$114.363.05

IF THE ABOVE PROPOSAL IS ACCEPTABLE. PLEASE SIGN AT THE BOTTOM AND FAX BACK TO 937-237-1850 WITH A PURCHASE ORDER NUMBER SO THAT WE MAY SCHEDULE YOUR PROJECT. IF YOU HAVE ANY QUESTIONS PLEASE CALL ME. THANK YOU!

We Hereby Propose to furnish labor and materials complete in accordance with above specifications, for the sum of

$ SEE ABOVE

With payment to be made as follows. NET 30 DAYS

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature MIKE WEBB

Note: This proposal may be withdrawn by us if not accepted within 30 days.

ACCEPTANCE OF PROPOSAL— The above prices, specification and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature_____

Date Accepted _____ Signature_____

Ken Vogel <KVogel@lbgmn com> on 07/05/2000 04 38 19 PM

To "Mike Curry (E-mail)" <mc33@daimlerchrysler com>, "Gary Stanczuk (E-mail)" <gms9@daimlerchrysler com>

cc

Subject PCB Issues at Dayton

The following info/data is provided per Gary Stanczuk's telephone request of Wednesday, July 5, 2000 for PCB sludge analytical results from sewer cleaning. Gary's request is in response to PCB issues raised by Onyx Environmental, which we understand were discussed on a conference call today, Wednesday, July 5, 2000 between DCC, Onyx Industrial, and Onyx Environmental

According to Mike Webb of Onyx Industrial (phone conversation with Ken Vogel 7/5/00), the rinse water load in question originated from the first sewer cleaning of the south end of Building 40 Onyx Industrial sampled the rinse waters and found them to be acceptable for treatment/disposal at Onyx Environmental The water was unloaded into a batch tank at Onyx Environmental and remaining solids from the tanker truck were shoveled into drums (Mike Webb stated that Onyx did not sample/analyze any solids) Onyx Environmental reportedly sampled the batch tank, which also contained approx. 1,000 gallons of water from a non-DCC source, and reports PCB levels much higher than rinsate sample analysis They then sampled the solids from the drums and report PCB levels ranging from 600-1000 ppm However, LBG has not seen any analytical data sheets or other documentation relating to these reports

In comparison, historical sewer sludge/solids/liquids analytical results are lower than reported by Onyx Environmental. These historical results are as follows (NOTE· Onyx apparently did not conduct PCB analysis of sludge samples collected on April 25, 2000 from line 40G and the Bldg 40 south separator All units are parts per billion, ppb, equivalent):

Free Product phase from Frac Tank (11/23/99) · - 260,000 ug/kg
Water phase from Frac Tank (11/23/99)· - 52 7 ug/L
Waste Liquid from Manhole in Bldg. 40 (11/30/99) - 57 ug/L
Sludge Sample from drummed vac truck solids (1/11/2000). - 2,100 ug/kg
Liquid from Vault in line 40J, Bldg 40 (1/28/00): - 9,290 ug/L
Sludge from Pipe 40I in Bldg. 40 (1/31/2000) - 51,000 ug/kg
Liquid from line 40K, Bldg. 40 (1/31/2000) - 874 ug/L
Tanker Truck water from south end of Bldg 40 (2/28/00) - 240 ug/L
Rinse waters from Lines 40 I, J, and K (3/5/00) - below method detection limits
Final rinse waters from south end of Bldg 40 (5/9/00): - below method detection limits
Liquid from Sump, north end of line 40J, Bldg 40 (5/18/00)· - 9,600 ug/L

ONYX TOOK 4200 GAL FROM FINK TANK TO ONYX

LIQUID PUT IN HOLDING TANK

SOLIDS PUT INTO DRUMS (34)

LIQUID FROM HOLDING TANK SENT FOR ICIN

TESTED AT 35 PPM

TANKER GOES BACK TO ONYX

5/23 DRUMS

D15 + Tanker all material
could be place separate out the
PCB & get Water down to levels
of 3 ppb or 5 ppb or other reg levels.

Solids under 50 ppm
16 drums from after can be land Based
on concentration

over 14 drums by Contract
+ 2 from D15
Phase separation only Water
PCB
because it is Recreation We have
disposal options
We could possibly get Risk approval

Tony Rose

Will remove material greater 50 ppm
& store rest until EPA approval.
for 30 days.

This could free up Tanker. - store in D15

18 drum Need to $13,930
go off to TASA

16 drums Managed based on analysis.

Play Well cost its Water.

888 - 790 - 1867

Dayton 748 - 4077

Greg SIEDOR

303 - 289 - 4827

Retention sample of 2000 from
Tanker is due today

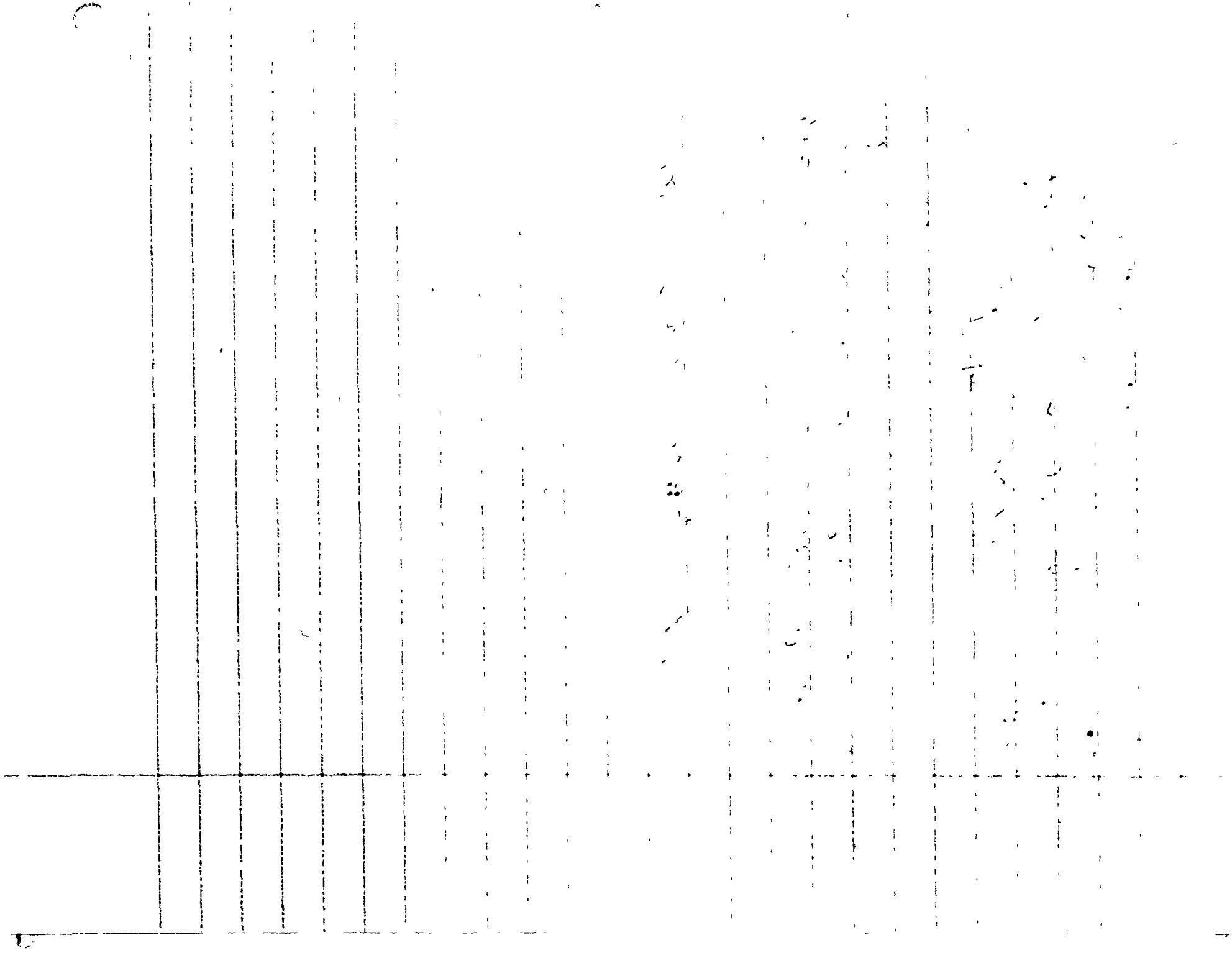
$560 per drum for TSCA

Onyx Environ
700 E Butterfield
Lombard Ill 60148

call to Tony Martesing ~~EP~~ EPA
7-20-08

Vac We are Filter out phase separation
Truck 3 ppb are atthe discharge level
all by permit
drums from Vac (

Solvents less than 2 ppm?
Solids less than 50 could be disposed
as non TSCA, We Want to label them
as ~~fuel~~ ~~fuels~~ fuels TM needs to
think.



Onyx Environmental Services, L.L.C.
CWM Resource Recovery, Inc.
PO Box 453
4301 Infirmary Road
West Carrollton, Ohio 45449
Phone: (937) 859-6101
Fax: (937) 859-4671

Please Forward To: Kathleen Hennessey

From: Tony Rose

Date: 8-1-00 Time: 09:10

Urgent ___ Routine ✓

Subject: WAP Number of Pages Sent: 5
(including this cover page)

Comments: Please note our Area Code is: 937

If you did not receive the number of pages indicated above, please call us!

Post-it® Fax Note 7671		Date 8/1/00	# of pages ▶ 5
To Rose/Stanczuk		From Hennessey	
Co./Dept. Archer		Co	
Phone # 216-447-1369		Phone # 248-512-4116	
Fax # 309-672-1588		Fax #	

3.0 ANALYTICAL RATIONALE

A pre-existing waste characterization is obtained by CWMRR on the WPS (Figure C.1-2). CWMRR obtains the information required by 40 CFR Part 264.13(a)(1) [Ref: 40 CFR Part 264.13(a)(2) and comment] and OAC 3745-54-13(A)(1) [Ref: 3745-54-13(A)(2) and comment]. Analysis conducted by CWMRR is performed to ensure that an incoming waste material matches the overall identity of the waste designated on the accompanying manifest (or shipping paper). Analytical methods are classified as either "Mandatory Analyses" or "Supplemental Analyses".

it did not

- "Mandatory Analyses" are performed on the incoming waste shipments, except as noted in Section 5.1.1, in order to identify a waste shipment and to ensure the proper waste management technique can be utilized. "Mandatory Analyses" may also be performed on a sample for pre-acceptance purposes, if the generator supplied information is not sufficient.

- "Supplemental Analyses" are performed as directed by facility management to augment existing information on the waste in order to further identify a waste or to further ensure that the appropriate waste management technique can be utilized.

This arrangement allows a tiered approach to waste identification, enabling CWMRR to structure the analyses to identify the waste during the various phases of operation or to define process operations for various treatment, storage or disposal processes prior to accepting the waste.

Incoming wastes, except as noted in Section 5.1.1, are subject to the "Mandatory Analyses" as a first step in the analytical scheme. "Supplemental Analyses" are additional analyses performed according to need Facility management may select additional analyses to augment the mandatory screening or to provide operational controls for processing. Facility management may waive specific "Mandatory or Supplemental Analyses" if performing the analysis presents a health or safety hazard in the laboratory (e.g., PCB extraction on an oxidizing waste). The parameters which constitute the "Mandatory and Supplemental Analyses" and their rationales are listed below. A description of the analytical methods which may be used to determine these parameters can be found in Attachment WAP-C. Analyses are not necessarily repeated for sequential activities or movement of the same waste within the facility unless required by changes in the waste's character, as determined by the facility management.

3.1 "MANDATORY ANALYSES"

The "Mandatory Analyses" consist of basic screening procedures that are performed to provide general identification and are used to indicate proper storage, processing (solvent reclamation or fuels blending) or transfer.

Physical Description Screening - to determine the general physical characteristics of the waste for quick (subjective) detection of any obvious changes from the prior descriptions of the waste.

like different phases

pH Screening - to determine the pH range and indicate the general corrosive nature of the waste. pH may not apply to certain wastes, such as organic solvents, waste oils, or solid wastes that are not water soluble.

Radioactivity Screening - to ensure that no radioactive materials above background levels are present in the waste.

Solvent Component Screen - to determine the solvent composition of wastes. This test is performed only for wastes to be reclaimed. This procedure is used to determine if the generator has in any way altered the characteristics of the waste to be reclaimed by CWMRR. Upon completion of the analysis, facility management will compare the analysis to the on-file information.

CWMRR Liquid Waste Compatibility - to determine whether a waste is a candidate for the fuels blending program at CWMRR. This testing is performed during the pre-acceptance phase.

3.2 "SUPPLEMENTAL ANALYSES"

"Supplemental Analyses" are performed by CWMRR to further identify wastes as appropriate (see Section 4.3 and/or 5.2). The results of the "Supplemental Analyses" provide the facility management with an additional level of confidence (if needed) concerning the proper means for storage/transfer, solvent reclamation or fuels blending. Some of the "Supplemental Analyses" utilize unique procedures and protocol formulated through CWMRR operating experience in the absence of standard analytical methods or techniques. Others are standard analytical methods or techniques recognized by the U.S. EPA, ASTM and other recognized groups (e g., AOAC). The following is a partial list of the parameters which constitute the "Supplemental Analyses" and their associated rationale (see Attachment WAP-C for a description of or reference for the analytical methods). The applicability of these parameters, as described below, are based on procedures and protocol formulated by CWM and meet CWM performance standards or are based on ASTM and "Standard Methods" recognized by EPA:

Anions - Performed if specified by the product specifications or the targeted treatment and/or disposal facility to determine the specific species of anion and their concentrations in an outgoing product or waste.

Ash Content - Performed if specified by the product specifications or the targeted treatment or disposal facility to establish proper blends and/or packaging properties.

Chlorine - Performed to determine the chloride content of the waste for blending purposes to meet the fuel user's specifications.

CWC E.P.A.

OCT 24 96

ENTERED DIRECTOR'S JOURNAL

Cyanide Screening - Performed to indicate whether a waste has the potential to produce hydrogen cyanide upon acidification below pH 2.0.

Distillation - Performed prior to processing to determine the percent recovery of a dirty sample and/or boiling range of the sample, and to generate a clean sample of the waste for further testing.

Flammability Potential - Performed to indicate the fire-producing potential of a waste. This test can be applied to all wastes--liquids, solids, or semi-solids.

Flash Point - To further characterize ignitable waste so proper procedures for safe handling and fire prevention can be determined. This test can be run on all liquids. Also to confirm if the waste has ignitable characteristics as defined in Subpart C of 40 CFR Part 261.21 and OAC 3745-51-21.

Heat Value - Performed during pre-process on wastes to be fuels blended to determine the amount of heat available for release during thermal combustion (use as fuel or incineration).

Liquid Waste Compatibility - Performed during the pre-process analyses to determine whether liquid wastes to be blended together are compatible. The facility management may waive the liquid waste compatibility test if waste(s) already present in a tank were from the same source or if a receiving tank was empty.

Metals - Performed if specified by the product specifications or the targeted treatment and/or disposal facility to determine the metals content of the outgoing product or waste.

Free Liquids - Performed to determine if free liquids are present in containerized waste destined for storage at the containerized Solid Storage Area. This testing will supplement the mandatory analysis (physical description) when required.

Oxidizer Screening - Performed in order to determine whether strong oxidizing agents or peroxides are present.

PCB - Performed in order to ensure no TSCA regulated PCB materials are accepted.

PCB Screening is performed to determine whether or not PCBs are present in a waste.

Percent Acidity - To be determined only if pH is lower than 4. Wastes with this low pH are more difficult to buffer or dilute to a neutral pH. If acidic species is known, appropriate neutralization techniques can be applied.

Percent Alkalinity - To be determined only if the pH is higher than 10. Wastes with this high pH are more difficult to buffer or dilute to a neutral pH. If alkaline species is known, appropriate neutralization techniques can be applied. (If alkaline species is an amino, then test should be run if pH is greater than 8.)

pH - To more precisely determine the pH and in general, the corrosive nature of the waste and potential adverse effects on storage, treatment, and disposal facilities, as well as safety. Also to confirm if the waste has corrosive characteristics as defined in Subpart C of 40 CFR Part 261.22 and OAC 3745-51-22.

Specific Gravity - Performed to indicate the density of the waste in order to convert gallons to pounds for reporting reasons. In addition, this test is sensitive to significant physical changes in the waste stream.

Revision
1/9/96

Suspended Solids - Performed if specified by the product specifications or the targeted treatment and/or disposal facility to determine the water and sediment content in fuel blends by centrifuge.

Sulfide Screening - Performed to indicate whether a waste has the potential to produce hydrogen sulfide upon acidification below pH 2.0

Sulfur Screening - Performed if specified by the product specifications or the targeted treatment and/or disposal facility to determine the sulfur content of an outgoing fuel product.

Total Residue - Performed during the pre-process analyses on wastes destined for reclamation in order to determine the total solid content of the waste.

Toxicity Characteristics Leaching Procedure - Performed if specified by the targeted disposal and/or treatment facility to determine whether a waste or treated waste residue contains levels of restricted constituents above the appropriate treatment standards.

Viscosity - Performed if specified by the product specifications or the targeted treatment and/or disposal facility to determine the flowability and pumpability of the waste.

Water Content - Performed as pre-process analysis for wastes destined for solvent reclamation to determine the percent water in a sample.

Other parameters not listed here may be added when necessary as required by changes in regulations, company policy, etc.

Onyx Environmental Services, L.L.C.
CWM Resource Recovery, Inc.
PO Box 453
4301 Infirmary Road
West Carrollton, Ohio 45449
Phone: (937) 859-6101
Fax: (937) 859-4671

F 248/576-7365

Please Forward To: Mr Stanczuk

From: Onyx Lab / Samuel Fox

Date: 07/11/00 Time: 12:10

Urgent X Routine ____

Subject: Onyx Thermal Tanker Number of Pages Sent: 2
(including this cover page)

Comments: Please note our Area Code is: 937

If you did not receive the number of pages indicated above, please call us!

CWM RESOURCE RECOVERY, INC. ***** Receipt # 70809 ***** Page - 1

Date/Time In 6/19/00 8:42 Unloading Date/Time Discrepancy Exists (Y or N)
Load Type Tanker Federal EPA ID OHD986986040
Transporter ONYX INDUSTRIAL SERVICES
HUBER HEIGHTS OH
Truck Number 284 Trailer/Contnr #1 265 #2 #3

** WEIGHT SUMMARY **	
Gross	.00
Tare	.00
Net	.00
Adj.	.00
Adj. Net	.00

Rcpt Lu#	Doc Ln#	Document Number	Profile Sales	Profile Generator Invoicing Customer	Cnt #	Cnt Code	Total Quan.	W V	DCS Units	PCB	Sched Cat	Federal EPA Waste Status	WT#
1	1	0000061900	440314	DAYTON THERMAL PRODU	1	TT	3000.00	G	Gallons		RSHB	Check Restriction	70809-01

Doc Seq # 1 CRR ONYX INDUSTRIAL SERVICES P.O. Num
Federal Waste Codes D039 D040

Lab #: 003481 | BTU/lb: spiked 3766 | GC Solvents | Top | BOT | Sample By:
Misc: | Cl: 2.30
Odor: Y (N) | Sp. Gr.: 1.10 | VOC 212 | Date/Time: 6-19-00 9:05
OX + ⊖ | Compat.: NRX-MIX
CN + ⊖ N/A | Lab Approval By:
S ⊕ - N/A | Organic: Y N
RAD: BKG | Water: % | FP: °F | Date/Time: 061900 / 1630
PCB: 1.5 ppm A1254 | SS: 32 % | Ignit. + -
Tmrl < 25 ppm | RUE: % | Manf. Approval By:
pH: 6 N/A | Water: %
Physical State/Color/Turbid/Phase: | Date/Time:
Liquid: 100 % Blk - op T B
Liquid: % T B
Solids: % T B

DATE	TIME	TRANSFER TO	QUANTITY	COMMENTS
				S⁻ + * NEGATIVE BY HAT
				PCBs on Sludge @ 68.91 ppm
				A1254 — 063000

SUPERVISOR INSTRUCTIONS	PUMP TO:
	CHECKED BY:
	COMMENTS:

Rrszyda 061900/1330
003488

Onyx Environmental Services, L.L.C.
CWM Resource Recovery, Inc.
PO Box 453
4301 Infirmary Road
West Carrollton, Ohio 45449
Phone: (937) 859-6101
Fax: (937) 859-4671

Please Forward To: Mr Stanczuk F 248/576.7369

From: Onyx Lib / Samuel Foster

Date: 07/12/00 Time: 0940

Urgent___Routine___

Subject: PCB Content Drums Number of Pages Sent: 2
(including this cover page)

Comments: Please note our Area Code is: 937
PCB Method SW846-8082 3rd (edition) Solicitation —

If you did not receive the number of pages indicated above, please call us!

~~Sample and grade~~

CWM RESOURCE RECOVERY, INC. ***** Receipt # 96154 ***** Page - 1

Date/Time In 6-28-00 Unloading Date/Time ____ Discrepancy Exists (Y or N) ____ ** WEIGHT SUMMARY **

Load Type ____ Federal EPA ID # ____ Gross ____

Transporter Name ____ Onyx Industrial Cleanout Vac Tare ____

Net ____

Adj. ____

Truck Number ____ Trailer/Contnr #1 ____ #2 ____ #3 ____ Adj. Net ____

Rcpt Doc Ln#	Doc Ln#	Document Number	Profile Sales	Profile Invoicing	Generator Customer	Cnt #	Cnt Code	Total Quan.	# DCS V Units	PCB	Sched Cat	Federal EPA Waste Status	WT#
1		AH0117						14 DM3					

P.O. Num ____

Scheduled Date / / Time : Srv Req # ____

Federal Waste Codes D001, 2, 4-11, 18, 19, 21-30, 32-43 F001-5 U002, U003 U008 U012 U019 U031 U044 U051 U080 U088 U056 U057 U196 U201 U210 U213 U220 U226 U239 U228 K022 K047 U140 U154 U159 U161 U188 U165 U112 U122 K047 U077

Lab #: 003434	BTU/lb:	GC Solvents:	Top	BOT	Sample By: [illegible]
Vis:	Cl:				
Odor: __ Y __ N	Sp. Gr.:				Date/Time: 03,13 7-10
OX __ + __ -	Compat.:				
CN- __ + __ - __ N/A					Lab Approval By: 14
S- __ + __ - __ N/A	Organic: Y N				
RAD:	Water: % FP: °F				Date/Time:
PCB:	SS: % Ignit. + -				
	RUE: %				Manf. Approval By:
pH: __ N/A	Water: %				
Physical State/Color/Turbid/Phase:					Date/Time:
Liquid: __ % __ T B					
Liquid: __ % __ T B					
Solids: __ % __ T B					

Drum #	Row #	Grade	Batch #	Comments						
1 2B	~~WTB~~			Yellow Tape	20					
2 3B				Cleaned	21					
3 3B			#3)	3.69 PPM A1254 ~~OR~~	22					
4 6A					23					
5 6A					24					
6 5B					25					
7 6B					26					
8 5B				Moved Drums	27					
9 5D					28					
10 5B				To 11A	29					
11 5A				7-5-00	30					
12 5B					31					
13 6B			#13)	6.87 PPM A1254	32					
14 2D			#14)	23.06 PPM A1254	33					
15					34					
16					35					
17					36					
18					37					
					38					

DATE	TIME	BATCH #	TRANSFER TO	QUANTITY	COMMENTS

Comments:

Sample 3 Drums For PCB. #13, #14 & #3

Onyx Environmental Services, L.L.C.
CWM Resource Recovery, Inc.
PO Box 453
4301 Infirmary Road
West Carrollton, Ohio 45449
Phone: (937) 859-6101
Fax: (937) 859-4671

Please Forward To: Mr Stanczuk (248) 576-7369

From: Onyx Lab / Lab - Slosh

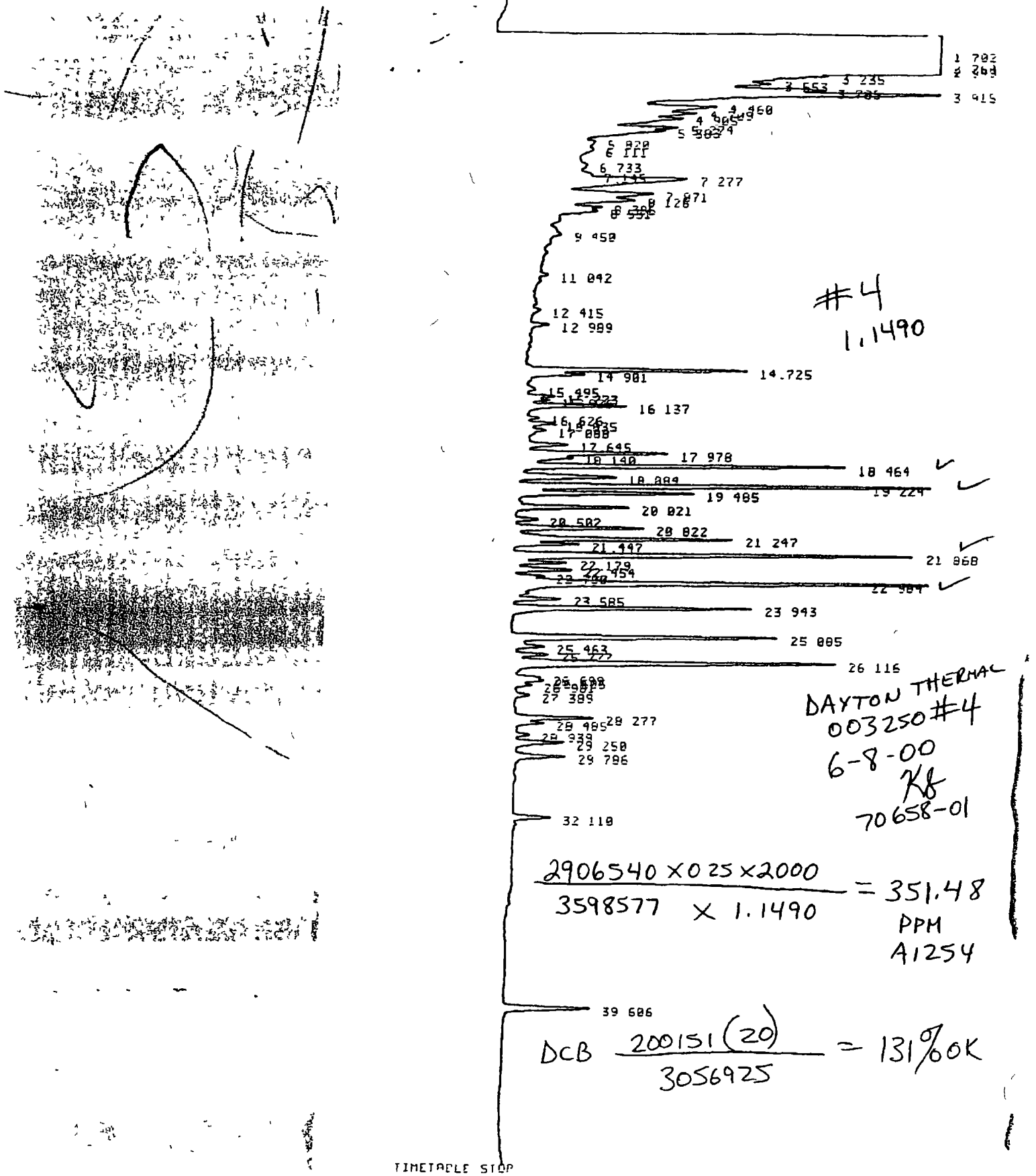
Date: 07/11/00 Time: 1400

Urgent X Routine ___

Subject: PCB Method Number of Pages Sent: 1
(including this cover page)

Comments: Please note our Area Code is: 937
Sludge Analysed by PCB Method SW846-8082 3rd edition

If you did not receive the number of pages indicated above, please call us!



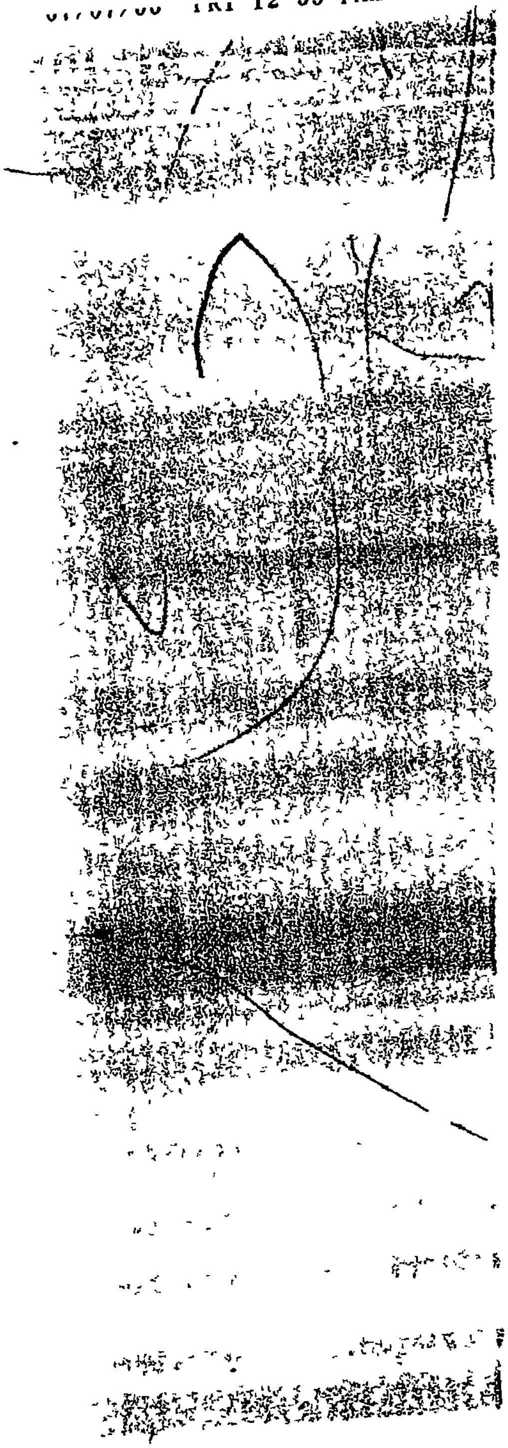
TIMETABLE STOP

RUN# 7375 JUN 6, 2000 10:51:35

SAMPLE# 11

JUN 6, 2000 15:51:35

SAMPLE# 11



HP 5290 LAP CH 2

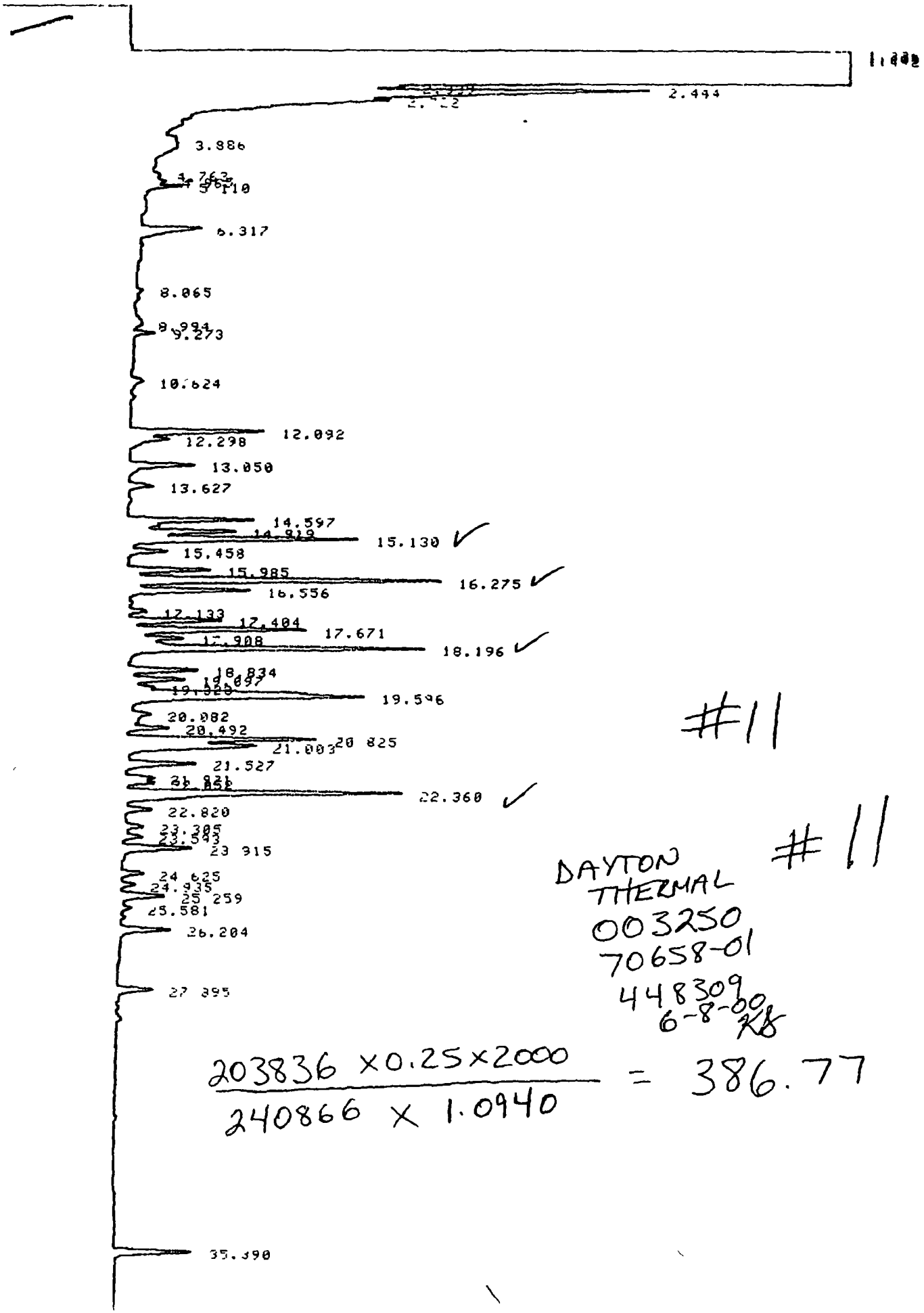
AREA

RT	AREA	TYPE	WIDTH	AREA%
1 70.	371989200	SBB	730	96 77895
2 754	493365	TBP	113	17576
2 944	17298	TPB	054	00450
3 235	13439	TBU	065	00350
3 553	43985	TPU	106	01144
3 765	207308	TUU	133	05393
3 915	649925	TUP	184	16909
4 460	201814	TPU	108	05251
4 709	140230	TUU	150	03648
4 905	171209	TUU	198	04454
5 274	106934	TUU	105	02782
5 303	166586	TUP	183	04334
5 820	29967	TPU	216	00780
6 111	33264	TUB	211	00865
6 733	41241	BU	268	01073
7 145	51058	UU	176	01328
7 277	442234	UU	268	11505
7 871	261894	UU	206	06814
8 126	194240	UU	187	05053
8 396	76240	UU	124	01984
8 531	102153	UU	177	02658
9 950	54084	PU	306	01407
11 042	13912	BP	111	00362
12 415	21424	UP	187	00557
12 989	39364	PU	141	01024
14 725	377916	PU	121	09832
14 901	110988	UU	135	02888
15 495	20786	UU	164	00541
15 773	46070	UU	116	01199
15 926	36863	UU	115	00959
16 137	172970	UB	124	04500
16 626	17149	BU	.103	00446
16 835	54790	UU	137	01425
17 008	57155	UU	205	01487
17 645	92874	UU	151	02416
17 973	272750	UU	133	07096
18 140	104477	UU	147	02718
18 464	568023	UU	124	14778
18 884	215981	UP	159	05617
19 224	705707	PU	122	18360
19 465	305480	UB	123	07948
20 021	189614	BB	120	04933
20 502	39145	BU	119	01020
20 821	238062	UU	130	06194
21 247	421720	UU	136	10972
21 447	110132	UB	120	02867
21 864	7-8343	PU	133	13485
22 179	8 563	UU	119	02278
22 454	110776	UP	141	02882
22 700	3 011	PU	103	01018
22 984	5-3867	UB	143	22995
23 585	68768	PP	112	01763
23 913	468740	PB	139	12195
25 095	532736	BU	141	13809
25 453	70389	UU	164	01831
25 777	63833	UU	134	01661
26 116	7-159	UB	160	18762
26 699	36360	BU	110	00393
26 605	46530	UU	112	01154
26 481	[illegible]	UP	120	30732
27 389	34532	PP	150	00939
28 277	148318	UU	134	03959
28 485	54212	UB	134	01410
28 939	23730	BU	121	00617
29 250	103985	UU	155	02703
29 786	100509	UB	153	02823
32 110	78262	BU	144	02036
39 606	[illegible]	PB	165	05[illegible]

TOTAL AREA=3 844 E+08
MUL FACTOR=1 0000E+00

RUN # 567 JUN 8, 2000 18 39 08

START



#11

#11

DAYTON THERMAL
003250
70658-01
448309
6-8-00 KK

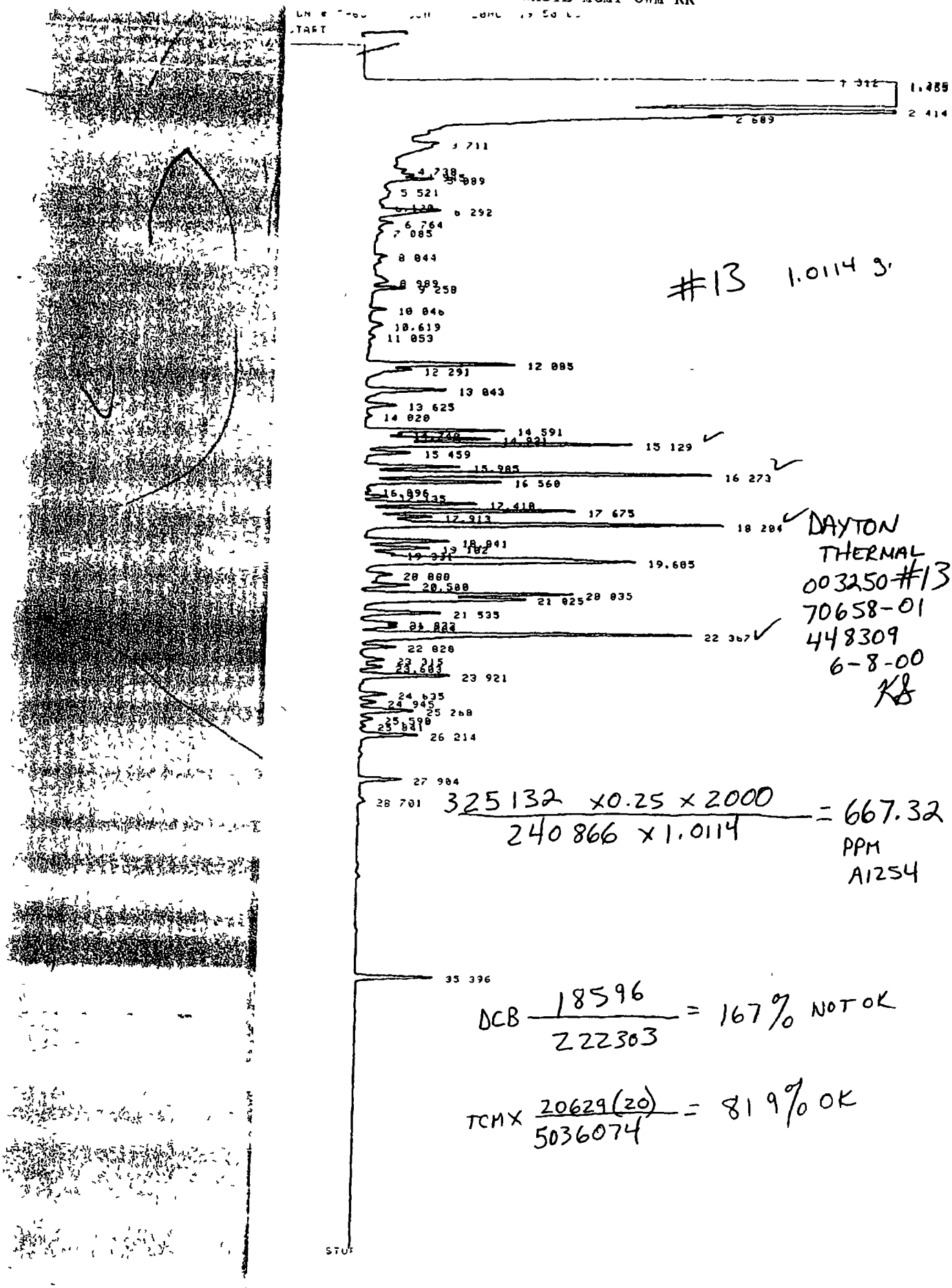
$$\frac{203836 \times 0.25 \times 2000}{240866 \times 1.0940} = 386.77$$

HP 5890 CAP CH1

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.336	76771	PV	.028	.20510
1.406	1459315	VV	.067	3.89871
1.492	34948416	VV	.339	93.36826
2.339	25219	VV	.074	.06738
2.444	133213	VV	204	.35589
2.722	93389	VV	.290	.24950
3.886	12758	VV	.257	.03408
4.763	4585	VV	.190	.01225
4.965	4617	VV	.159	.01233
5.110	5436	VP	.107	.01452
6.317	14497	VP	.182	.03873
8.065	1404	BV	.129	.00375
8.994	4081	VV	.340	.01090
9.273	2786	VP	.094	.00744
10.624	2812	BP	.178	.00751
12.092	22782	BV	.131	.06086
12.298	8332	VP	.164	.02226
13.050	11784	PB	.140	.03148
13.627	4130	BB	.132	.01103
14.597	17662	BV	.108	.04719
14.919	17964	VV	.129	.04799
15.130	39049	VV	.132	.10432
15.458	6083	VB	.122	.01625
15.985	13321	BV	.124	.03559
16.275	56868	VV	.142	.15191
16.556	20268	VV	.128	.05413
17.133	2711	VP	.110	.00724
17.404	14718	PV	.122	.03932
17.671	29018	VV	.127	.07752
17.908	8633	VV	.123	.02306
18.196	51817	VB	.137	.13843
18.834	11830	BV	.131	.03161
19.097	10155	VV	.138	.02713
19.323	3849	VV	.107	.01028
19.596	65884	VV	.216	.17602
20.082	7693	VV	.244	.02055
20.492	6942	VV	.125	.01855
20.825	31123	VV	.127	.08315
21.003	31655	VV	.188	.08457
21.527	12262	VP	.135	.03276
21.921	4413	PV	.115	.01179
22.052	4823	VV	.123	.01289
22.360	56110	VV	.158	.14990
22.820	4420	VB	.121	.01181
23.305	3858	BV	.147	.01031
23.593	3332	VP	.130	.00890
23.915	12383	PB	.138	.03308
24.625	3819	PV	.127	.01020
24.935	2233	VV	.120	00597
25.259	8771	VV	.153	.02343
25 581	1933	VV	.138	.00516
26.204	8618	PB	.133	.02302
27.895	6581	PB	142	.01758
35 398	13808	PB	.136	.03689

TOTAL AREA=3.7431E+07
MUL FACTOR=1.0000E+00



#13 1.0114 3'

DAYTON THERMAL
003250 #13
70658-01
448309
6-8-00
KB

$$\frac{325132 \times 0.25 \times 2000}{240866 \times 1.0114} = 667.32 \text{ PPM}$$

A1254

$$DCB \frac{18596}{222303} = 16.7\% \text{ NOT OK}$$

$$TCMX \frac{20629(20)}{5036074} = 81.9\% \text{ OK}$$

TCHX 5036074

STOP

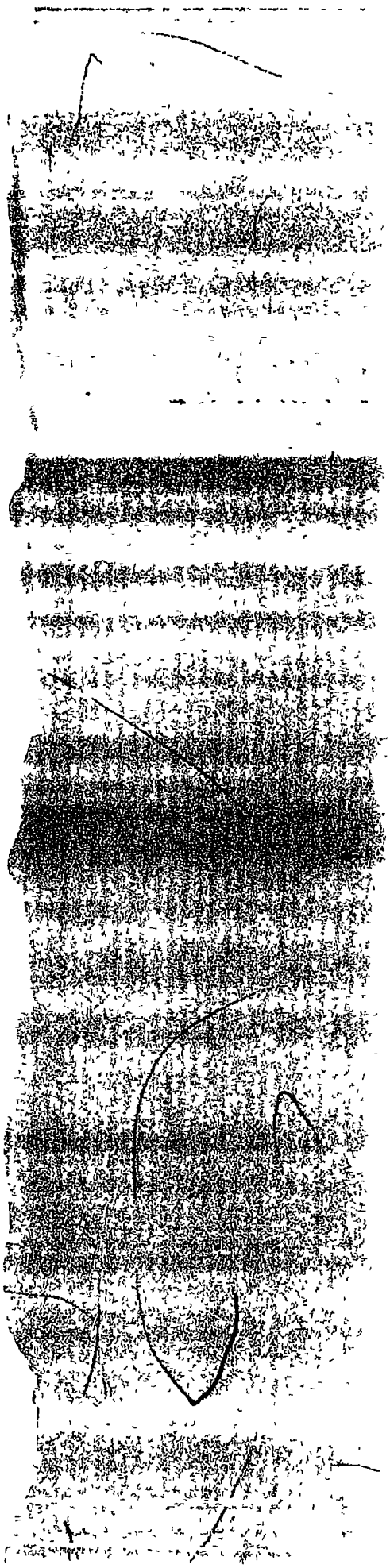
RUN# 7963 JUN 6 2000 19:50 05

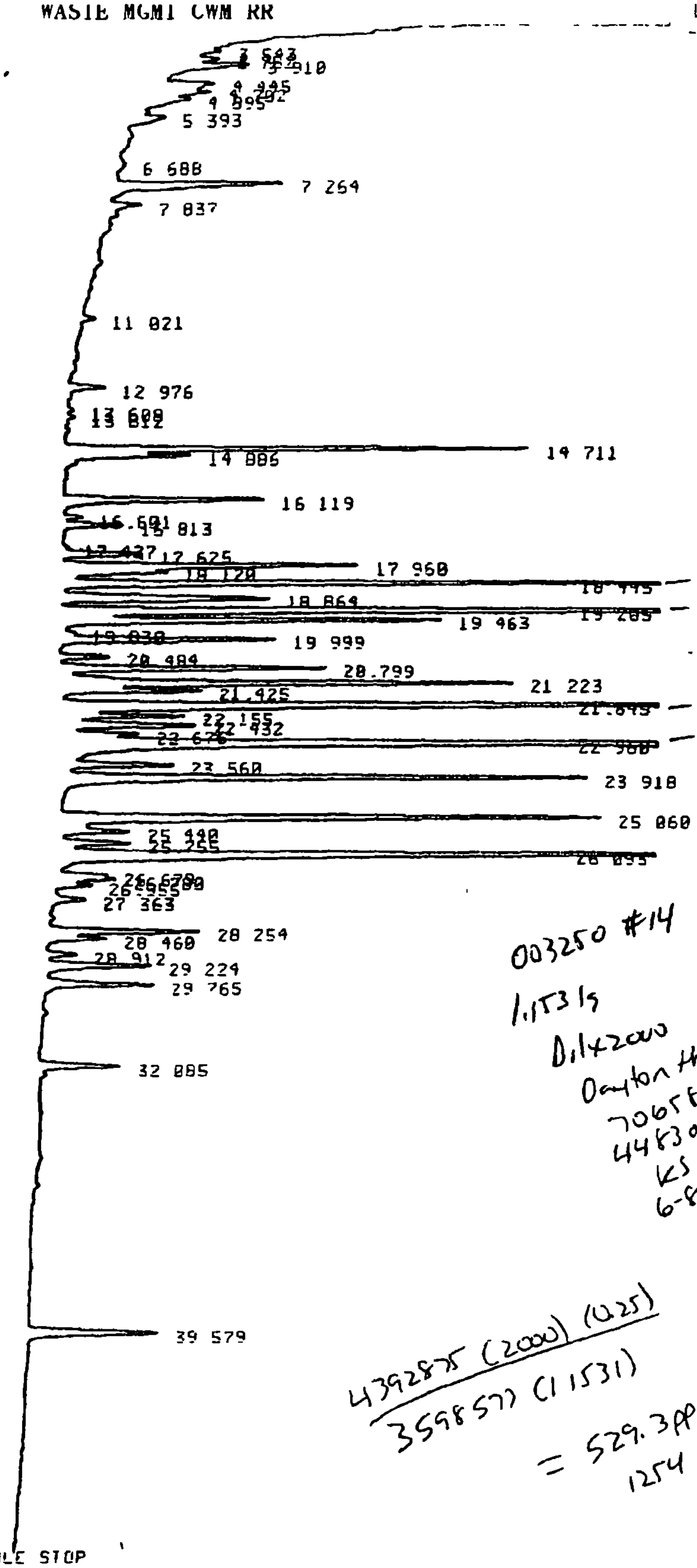
SAMPLE# 1

HP 5890 CHP CH1

AREA.

	RT	AREA	TYPE	WIDTH	AREA
1	312	12320	PV	016	02619
1	375	1312392	VV	062	2 79003
1	455	44033984	PV	329	94 03754
2	414	244133	VV	101	51901
2	669	137916	VV	247	29320
3	711	1339	PB	052	00285
4	738	3744	VV	143	00796
4	945	6389	VV	140	01359
5	089	8148	VP	106	01728
5	521	1123	PV	104	00239
6	128	968	PV	11_	00208
6	292	20629	VV	141	04386
6	764	3885	VV	135	00826
7	085	1902	VV	178	00404
8	844	2651	BV	118	00564
8	989	7822	VV	273	01663
9	256	6344	VV	183	01349
10	046	2697	PB	091	00573
10	619	4528	BV	191	00963
11	053	1857	VV	147	00395
12	085	35572	PV	138	07562
12	291	12878	VB	166	02738
13	043	20347	BP	147	04326
13	625	7136	PB	135	01517
14	020	1082	BB	.109	.00230
14	591	26098	BV	107	.05547
14	740	6454	VV	.100	01372
14	921	28434	VV	131	.06045
15	129	62131	VV	134	13209
15	459	9561	VB	123	02033
15	985	20881	PV	125	04439
16	273	88020	VV	147	18712
16	560	30511	VV	129	06486
16	896	1343	VP	117	00286
17	135	4398	PP	110	00935
17	418	23645	PV	122	05027
17	675	47022	VV	129	.09996
17	913	13868	VV	122	02948
18	204	85881	VB	139	18258
18	841	18944	BV	130	04027
19	102	15078	VV	135	03205
19	331	5589	VV	109	01188
19	605	98921	VB	212	21030
20	088	7528	BV	163	01600
20	508	10131	VP	124	02154
20	835	46306	PV	126	09861
21	825	53529	VV	168	11380
21	535	19876	VP	139	04055
21	932	7382	PV	115	01569
22	864	7973	VV	125	01695
22	367	89108	VV	156	18942
22	828	8057	VV	130	01713
23	315	6789	VV	158	01443
23	603	5732	VV	140	01219
23	921	22284	VV	142	04737
24	635	6283	PV	130	01336
24	945	3820	VV	122	00812
25	166	14528	VV	152	03089
25	590	3595	VV	143	00764
25	841	1654	VV	128	00352
26	214	15035	VV	146	03196
27	904	10752	PB	145	02286
28	781	2057	VB	175	00437
29	396	18396	PB	137	03953





003250 #14
1.1531g
Dil x 2000
Dayton Therm
70655 ol
448309
KS
6-8-00

$$\frac{439285 (2000) (0.25)}{359857 (1.1531)} = 529.3 \text{ ppm}$$
1254

SAMPLE# 11

HP 5890 CAP CH 2

AREA/

RT	AREA	TYPE	WIDTH	AREA%
1 755	329542080	>SBA	647	95 91798
[illegible] 105	140873	TBB	290	04252
[illegible]	113249	TBP	125	03314

39 579

TIMETABLE STOP

$\frac{439285 (2000)(025)}{359857 (1.1531)} = 529.3 \text{ ppm}$ 1254

RUN# 7376 RUN: 8/7/2000 20:45:55

SAMPLE# 11

HP 5890 CAP CH 2

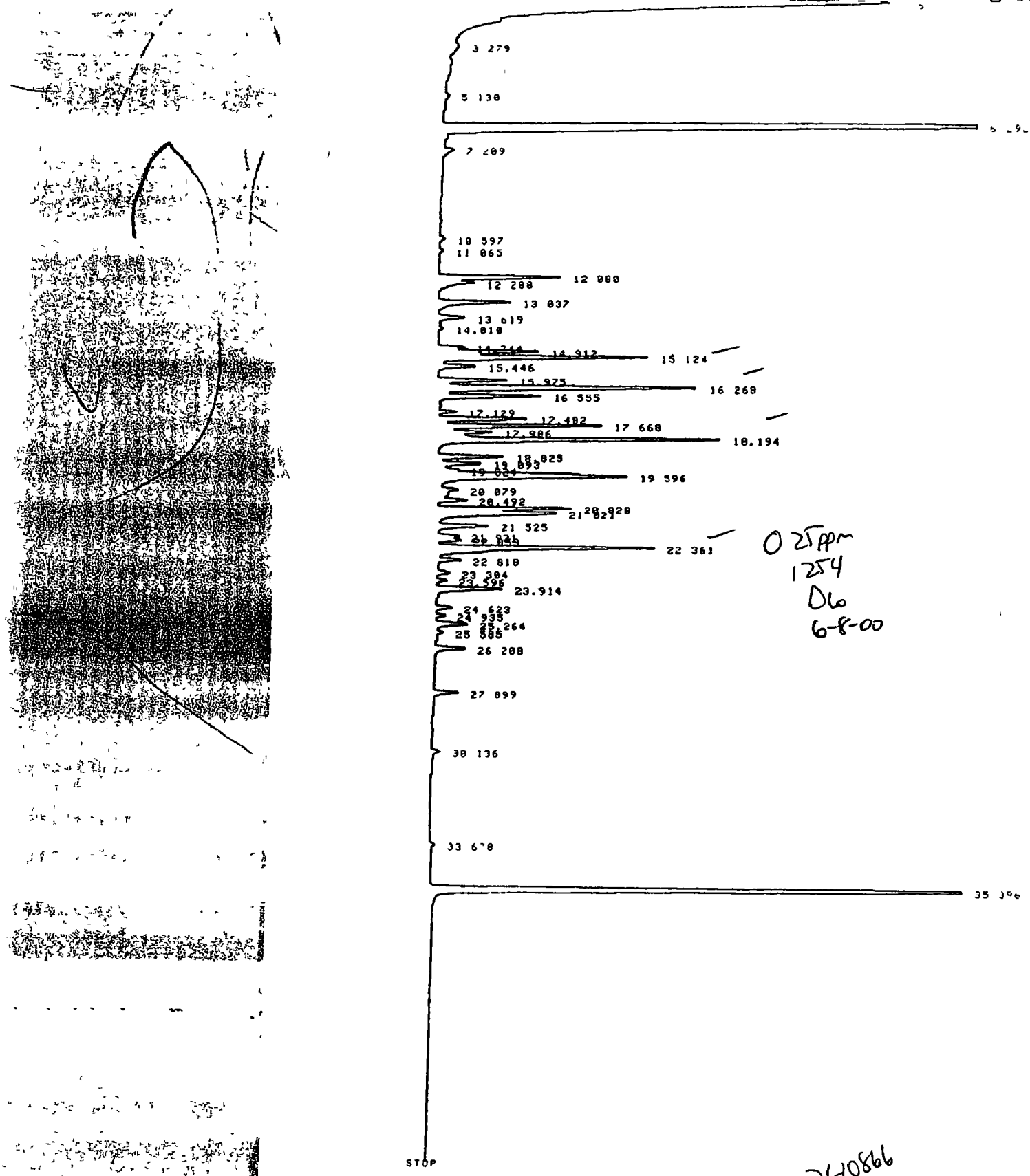
APEA%

	PT	APEA	TYPE	WIDTH	AREA%
1	755	329542000	>BB	.647	95 91798
2	405	140873	TBB	.290	04252
2	752	113849	TBP	125	03314
3	543	10621	TPP	086	00309
3	752	29785	TPU	126	00867
3	910	95577	TUP	153	02782
4	445	108912	TPU	212	03170
4	702	82079	TUU	152	02389
4	895	75282	TUU	190	02191
5	393	55993	TUP	194	01630
6	688	21370	TPU	.269	00622
7	264	278814	TUU	163	08115
7	837	49694	TUU	153	01446
11	021	14186	BB	106	00413
12	976	48670	BU	132	01417
13	608	11225	UU	140	00327
13	812	13052	UP	147	00380
14	711	558051	PU	119	16243
14	886	158427	UU	124	04611
16	119	251853	PB	124	07331
16	601	20805	BU	108	00606
16	813	69596	UU	118	02026
17	625	106426	UU	130	03098
17	958	378908	UU	127	11029
18	128	137087	UU	130	03990
18	445	293583	UU	120	23099
18	864	330465	UP	152	09619
19	205	1089857	PU	122	31553
19	463	470845	UB	124	13705
19	999	253575	UB	118	07381
20	484	56394	BU	113	01641
20	799	335358	UU	125	09761
21	223	626388	UU	137	18232
21	425	173161	UP	123	05040
21	845	1121883	PU	136	32652
22	155	139648	UU	120	04065
22	432	176650	UU	143	05142
22	675	66266	UU	106	01929
22	960	1393422	UB	147	40558
23	560	116304	BP	116	03385
23	918	748094	PB	141	21542
25	060	792084	PU	145	23055
25	440	113046	UU	165	03290
25	755	87658	UU	126	02551
26	093	1115932	UB	161	32481
26	679	50099	BU	103	01458
26	788	71847	UU	123	02091
26	955	43469	UP	118	01265
27	363	50272	PB	146	01463
28	254	198078	BU	129	05765
28	460	77305	UP	131	02250
28	912	37811	PU	120	01101
29	224	166875	UU	157	04857
29	765	172953	UU	156	05019
32	085	117083	PU	142	03408
39	579	217906	PB	165	06342

TOTAL AREA=3 4357E+08
MUL FACTOR=1 0000E+00

DC3 $\frac{217906 (20)}{3057925}$ 1426 OK

JUL 07 '00 14 19



0.25 ppm
1254
D6
6-8-00

240866
963464
RFOK

RUN# 7966 JUN 8, 2000 17:24:18

SAMPLE# 1

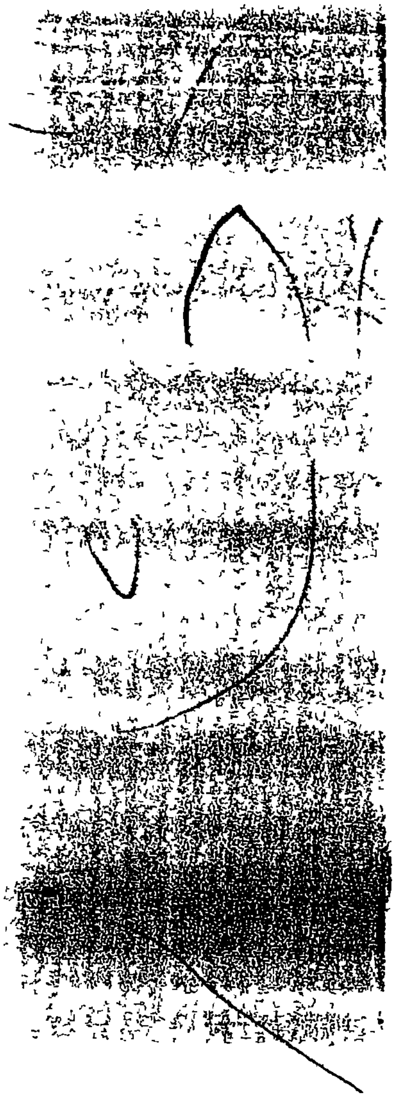
HP 5890 CAP CH1

HPEH

RT AREA TYPE WIDTH

RF ok

SAMPLE# 1



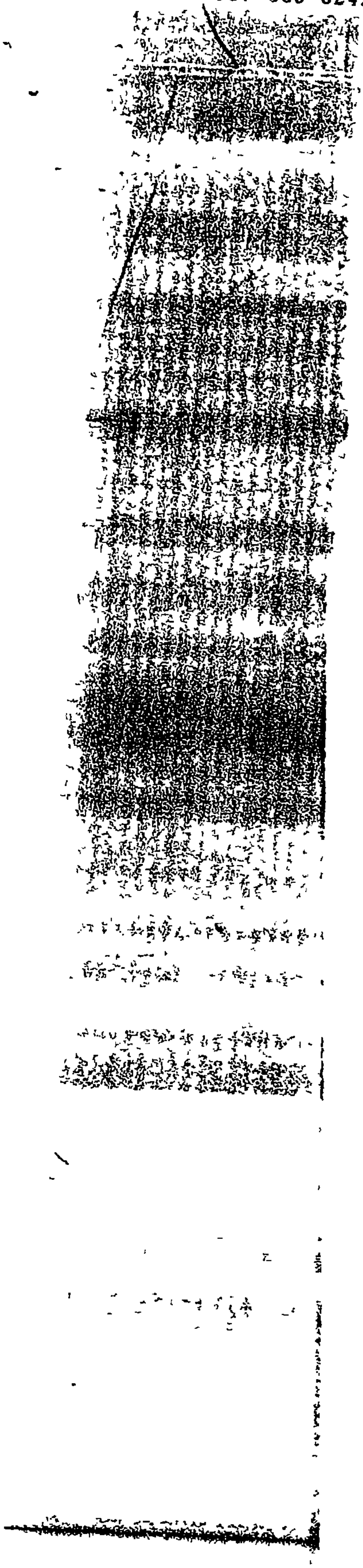
HP 5890 GAF CH.

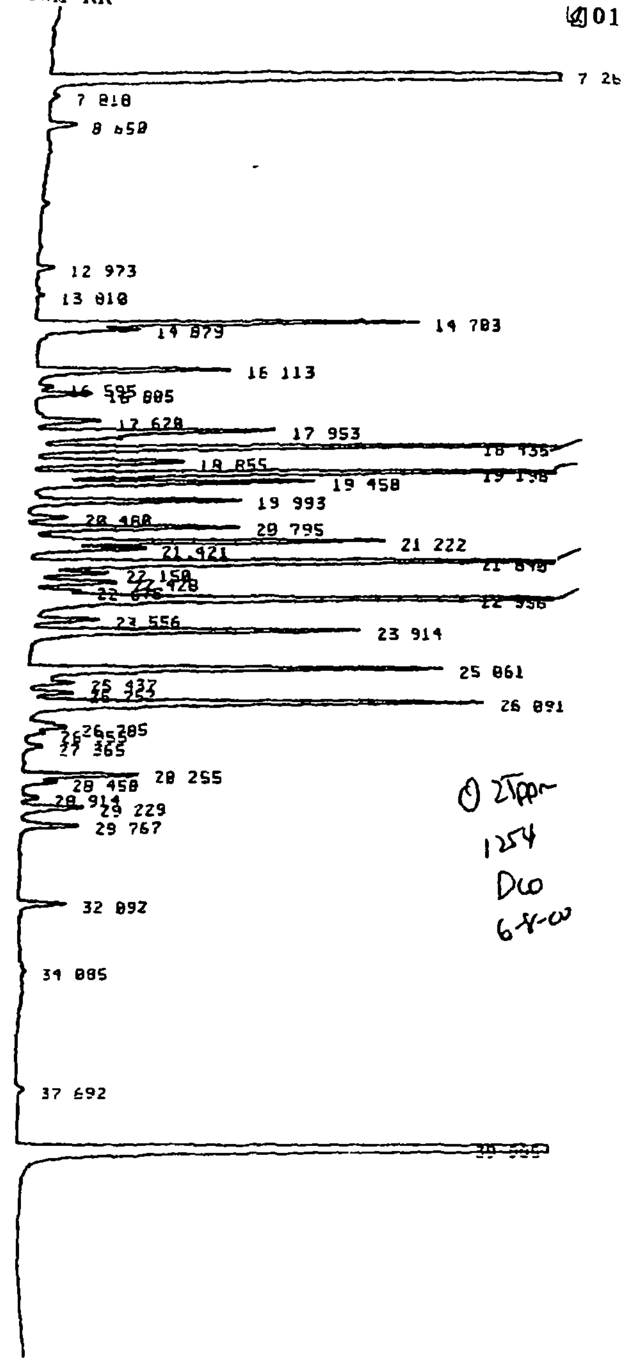
AREA

RT	AREA TYPE		WIDTH	AREA %
1 450	10[illegible]178	BV	191	6 6[illegible]146
1 [illegible]	324011	VV	4[illegible]	19 65930
3 [illegible]	[illegible]4[illegible]25	VY	488	06[illegible]9
5 1[illegible]0	5636	VV	414	34545
6 342	282[illegible]48	VV	181	17 33073
7 209	4920	VV	224	30206
10 597	1764	BP	175	10812
11 065	1042	PV	136	06387
12 090	29409	BV	136	1 74130
12 288	10189	VB	165	62452
13 037	17536	PP	141	1 07485
13 619	5937	PB	135	36390
14 010	873	BB	098	05351
14 744	5534	BV	120	33920
14 912	23021	VV	133	1 41105
15 [illegible]34	49130	VV	136	3 01137
15 446	8680	VB	133	53203
15 975	15266	PV	128	93571
16 268	66055	VV	149	4 04877
16 555	22792	VV	129	1 39701
17 129	3420	VP	112	20963
17 402	18760	PV	124	1 14987
17 668	35606	VV	127	2 18243
17 906	11387	VV	125	69795
18 194	66310	VB	136	4 06440
18 825	14444	BV	129	88533
19 093	9812	VV	137	60142
19 324	3515	VV	105	21545
19 596	68770	VP	214	4 21518
20 079	2585	PB	109	15844
20 492	5124	VP	114	31407
20 828	28879	PV	125	1 77011
21 021	41334	VV	201	2 53352
21 525	12237	VV	138	75005
21 921	4521	VV	117	27711
22 053	5255	VV	127	32210
22 361	59371	VV	159	[illegible] 63908
22 818	5822	VV	137	35685
23 304	3338	VV	150	20460
23 546	2145	VP	119	13148
2[illegible] 314	15525	PB	139	95159
24 623	[illegible]	PV	126	[illegible]
24 [illegible]75	2198	VV	123	[illegible]472
25 2[illegible]4	4027	VV	16[illegible]	55[illegible] 0
25 [illegible]5	[illegible]264	VV	152	1[illegible]8[illegible]
26 [illegible]	7411	V	1[illegible]	45[illegible]
2[illegible] [illegible]	6452	PB	147	[illegible]547
30 1[illegible]	[illegible]66	PB	17[illegible]	16[illegible]41
3[illegible] [illegible]7[illegible]	635	PB	104	[illegible]118
[illegible] [illegible]	[illegible]81[illegible]	PB	13[illegible]	11 1822[illegible]

TOTAL AREA=16 14[illegible]4
MUL FACTOR=1 0000E+00

DC3 161229 / 222303 81.5% ok





0 25ppm
1254
DCO
6-8-00

TIMETABLE STOP

RUN# 7373 JUN 8, 2000 17:28 47

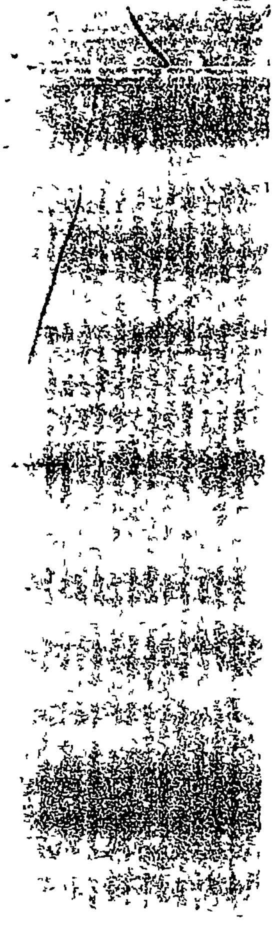
SAMPLE# 13

HP 5890 LAF CH 2

3598577
14394308
RF ok

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1 4[illegible]	6941[illegible]	[illegible]	145	14 [illegible]
1 889	1043547[illegible]	VB	375	[illegible]
3 073	45546	BP	030	[illegible]
[illegible] 241	[illegible]1082	PV	193	[illegible]
4 [illegible]77	[illegible]4682	[illegible]	[illegible]	[illegible]
7 262	4935136	PB	140	1[illegible] [illegible]4154
8 650	93973	BP	149	[illegible]551
12 973	23906	PV	124	[illegible]
14 703	440465	BV	114	[illegible]
14 879	151534	VB	125	[illegible]
16 113	254926	BB	[illegible]	5415
16 595	10086	BV	8[illegible]	[illegible]
16 885	63669	VE	[illegible]	[illegible]
17 628	109031	BV	[illegible]	51 14
17 953	3420 0	[illegible]	[illegible]	[illegible]
18 936	6414[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



HP 5890 CAP CH 2

AREA

RT	AREA	TYPE	WIDTH	AREA%
1 [illegible]	5891384	[illegible]	.49	14 .[illegible]
1 999	10405972	VB	325	19 78951
3 073	45546	BP	090	.3039
4 241	22082	PV	183	05299
4 677	79682	VV	272	22812
7 262	4433136	PB	140	12 63159
8 650	43873	BP	140	12331
12 973	23906	PV	129	06844
14 703	490465	BV	119	1 40414
14 879	151538	VB	135	43384
16 113	264926	BB	126	75845
16 595	18086	BV	108	05170
16 805	69669	VB	117	19945
17 570	109031	BV	154	31214
17 953	342020	VV	131	97916
18 436	691695	VV	121	1 98024
18 855	277411	VV	168	79419
19 198	825491	VV	123	2 36328
19 458	398160	VV	129	1 13988
19 993	285884	VB	125	81845
20 480	48815	BP	115	13975
20 795	279172	PV	122	79924
21 222	510063	VV	133	1 46025
21 421	157218	VP	124	45010
21 840	983630	PV	136	2 81601
22 150	99164	VV	121	29389
22 420	129484	VV	145	37070
22 675	48726	VV	182	13950
22 956	1097761	VB	157	3 14276
23 556	78974	BP	117	22609
23 914	508520	PB	144	1 45583
25 061	669502	PV	149	1 91670
25 437	70919	VV	147	20303
25 752	56496	VV	119	16174
26 091	801556	VB	163	2 29476
26 785	81510	BV	108	23335
26 955	24233	VP	115	06939
27 365	30898	PB	150	08845
28 255	167230	PV	132	47876
28 458	50371	VB	131	14421
28 914	23083	BV	120	06608
29 229	108714	VV	158	31124
29 757	98188	VB	154	28110
32 092	72354	BV	140	20 14
34 085	16134	BV	232	04615
37 692	20185	BB	260	05779
33 595	2828458	PB	174	8 09754

TOTAL AREA=3 49305E+07
MUL FACTOR=1 0000E+00

3598577
14394308
RF ok

DCS 2828415 92.5% ok
3056925

Onyx Environmental Services, L.L.C.
CWM Resource Recovery, Inc.
PO Box 453
4301 Infirmary Road
West Carrollton, Ohio 45449
Phone: (937) 859-6101
Fax: (937) 859-4671

Please Forward To: Mike Curry

From: A. Rice

Date: 7-7-00 Time: 14:05

Urgent ___ Routine ✓

Subject: Dayton Thermal Number of Pages Sent: 13
(including this cover page)

Comments: Please note our Area Code is: 937
PCB Scans and scans of PCB standard for drums #4, 11, 13 and 14.

If you did not receive the number of pages indicated above, please call us!

LEGGETTE, BRASHEARS & GRAHAM, INC.

PROFESSIONAL GROUND-WATER AND ENVIRONMENTAL ENGINEERING SERVICES

1210 WEST COUNTY ROAD E
SUITE 700
ST PAUL, MN 55112
651-490-1405
FAX 651-490-1006

June 28, 2000

Mr Gary Stanczuk CIMS 482-00-51
DaimlerChrysler Corporation
DaimlerChrysler Technology Center
800 Chrysler Drive
Auburn Hills, Michigan 48326-2757

Re Hazardous Waste Storage Area
Investigation Letter Report
Dayton Thermal Products
Dayton, Ohio (SC001)

Dear Mr Stanczuk

Leggette, Brashears & Graham, Inc (LBG) was retained by DaimlerChrysler Corporation to conduct a soil investigation at the Dayton Thermal Products plant, in Dayton, Ohio The objective of this investigation was to characterize the soils within the existing and proposed extension of the Hazardous Waste Storage Area of the plant, where surface staining had been observed, prior to future construction activities (figure 1).

Geoprobe Investigation

The investigation was conducted on February 2 and 3, 2000 using the direct push Geoprobe drilling method The investigation was conducted in the current and proposed Hazardous Waste Storage Area

Fourteen Geoprobe borings (DP-075 through DP-088) were advanced to profile the soils and assess the subsurface conditions prior to the proposed expansion of the Hazardous Waste Storage Area Fourteen borings were advanced using direct push Geoprobe drilling method and terminated between 7 and 20 feet below grade level depending on subsurface conditions Three of the 14 (DE-86, DP-87, and DP-88) borings were advanced in the ST Hazardous Waste Storage Area All the borings were abandoned with bentonite chips and the surface was sealed with cement Continuous soil samples were collected using a macro core sampler and logged by the on-site hydrogeologist. Soil samples were screened using a HNU photoionization detector (PID) with a 10 2 eV lamp Select soil samples were collected from each Geoprobe location and submitted to Kemron Laboratories for analyses Descriptions of the borings, including PID readings, are presented on the geologic logs included as Attachment1

Site Observations

The ground surface was covered with cement or asphalt and stained black in some areas The subsurface consisted of sand and gravel with scattered small amounts of clay No staining was observed in the soils beneath the asphalt or cement

Analytical Results

All soil samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile organic compounds (SVOCs) via EPA Method 8270A, polychlorinated biphenyls (PCBs) via EPA Method 8082, RCRA metals via EPA Method 6/7000, pesticides via EPA Method 8081A, herbicides via EPA Method 8151A and Chapter 7 reactivity, ignitability, and corrosivity A summary of all positive analytical results in soil collected during the Geoprobe investigation are presented in tables 1 and 2 Laboratory analytical results are included in Attachment 2

All borings contained low levels of barium and chromium which are within natural background levels Data obtained from Shacklette, H J and Boerngen, J G , 1984 "Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States ", U S Geological Survey Professional Paper 1270 Some borings also contained low concentrations of lead, selenium, and silver All of the previously mentioned metals were

well below the VAP Soil Residential and Industrial Limits Seven of the fourteen borings contained concentrations of arsenic slightly higher than the VAP Residential Limits but much lower than the VAP Industrial Limits

Tetrachloroethene was detected at low concentrations in all borings sampled for VOCs with concentrations and PID readings generally increasing with depth Two borings contained trichloroethene and one boring had a small amount of bis-(2-ethylhexyl) phthalate All VOCs and SVOCs were below VAP Soil Residential and Industrial Limits.

No PCBs, pesticides, or herbicides were detected above the method detection limits Samples collected for analysis of ignitability, reactivity, and corrosivity were all within acceptable limits

Sincerely,

LEGGETTE, BRASHEARS & GRAHAM, INC

Dane G Olson
Hydrogeologist II

DGO kw
Attachments
S\TECH\3CHRY\DAYTON\FINALDOC\HAZWASTE doc

TABLE 1

DAYTON THERMAL PRODUCTS
DAYTON, OHIO

HAZARDOUS WASTE STORAGE AREA GEOPROBE INVESTIGATION
SUMMARY OF POSITIVE SOIL ANALYTICAL RESULTS
METALS

Units are in Milligrams per Kilogram (mg/Kg)

SAMPLE LOCATION and DEPTH (FEET)	DATE COLLECTED	ARSENIC	BARIUM	CHROMIUM *	LEAD	SELENIUM	SILVER
VAP RESIDENTIAL LIMITS mg/kg		6 9	5,000	230	400	---	---
VAP INDUSTRIAL LIMITS mg/kg		86	140,000	2,800	2,800	---	---
DP-075@2-4'	2/2/00	6	21	5 4	ND	ND	ND
DP-075@6-8'	2/2/00	ND	11	5	ND	ND	ND
DP-075@14-16'	2/2/00	5 7	18	4 9	ND	ND	ND
DP-076@2-4'	2/2/00	ND	17	4 4	ND	ND	ND
DP-076@6-8'	2/2/00	ND	9 9	3 5	ND	ND	ND
DP-077@10-12'	2/2/00	ND	14	2 5	ND	ND	ND
DP-077@14-16'	2/2/00	ND	8 5	5 9	ND	ND	ND
DP-078@6-8'	2/2/00	15	9 5	6 8	5 5	ND	ND
DP-079@2-4'	2/3/00	8 8	43	14	16	0 92 S	ND
DP-079@14-16'	2/3/00	6 1	18	4 6	5 7	ND	ND
DP-079@18-20'	2/3/00	ND	15	4 3	ND	ND	ND
DP-080@2-4'	2/3/00	ND	13	5 7	ND	ND	2 9
DP-081@2-4'	2/3/00	8 7	18	9 8	8 3	ND	ND
DP-081@8-12'	2/3/00	5 2	14	4 4	ND	ND	2 2
DP-082@2-4'	2/3/00	ND	8 3	3 6	ND	ND	ND
DP-082@6-8'	2/3/00	5 7	12	5 6	ND	ND	ND
DP-083@2-4'	2/3/00	8 2	96	12	20	ND	2 5
DP-084@2-4'	2/3/00	ND	11	4	ND	ND	ND
DP-084@6-8'	2/3/00	9 4	18	4 9	5 8	0 89 S	ND
DP-085@2-4'	2/3/00	ND	6 4	4 7	ND	ND	ND
DP-085@10-12'	2/3/00	ND	13	6 5	5 3	1 2	ND
DP-086@1-4'	2/3/00	24	8 2	3 9	ND	ND	ND
DP-086@1-4'/DUP	2/3/00	16	10	6	ND	ND	ND
DP-087@2-4'	2/3/00	18	160	37	25	ND	2 6
DP-087@14-16'	2/3/00	ND	11	3 8	ND	ND	ND
DP-087@18-20'	2/3/00	ND	14	6 9	ND	ND	ND
DP-087@5-8'	2/3/00	6 6	19	5 4	ND	ND	ND
DP-087@5-8'/DUP	2/3/00	6 8	12	4 2	ND	ND	ND
DP-088@2-4'	2/3/00	11	17	5 2	5 3	ND	ND
DP-088@6-8'	2/3/00	7 4	25	3 2	5 5	ND	ND

NO PCBs, PESTICIDES OR HERBICIDES WERE DETECTED ABOVE THE LABORATORY METHOD DETECTION LIMIT

*VAP LIMITS LISTED ARE FOR CHROMIUM VI, ANALYTICAL IS FOR TOTAL CHROMIUM

NO CADMIUM WAS DETECTED ABOVE THE LABORATORY METHOD DETECTION LIMITS

ALL SAMPLES COLLECTED FOR IGNITABILITY, REACTIVITY AND CORROSIVITY WERE WITHIN ACCEPTABLE LIMITS

PCBs POLYCHLORINATED BIPHENYLS

S ANALYZED BY METHOD OF STANDARD ADDITION

EXCEEDS VAP RESIDENTIAL LIMITS

ONLY DETECTED COMPOUNDS ARE LISTED ON THE TABLE

TABLE 2

DAYTON THERMAL PRODUCTS
DAYTON, OHIO

HAZARDOUS WASTE STORAGE AREA GEOPROBE INVESTIGATION
SUMMARY OF POSITIVE SOIL ANALYTICAL RESULTS

VOLATILE ORGANIC COMPOUNDS·

Units are in Micrograms per Kilogram (ug/Kg)

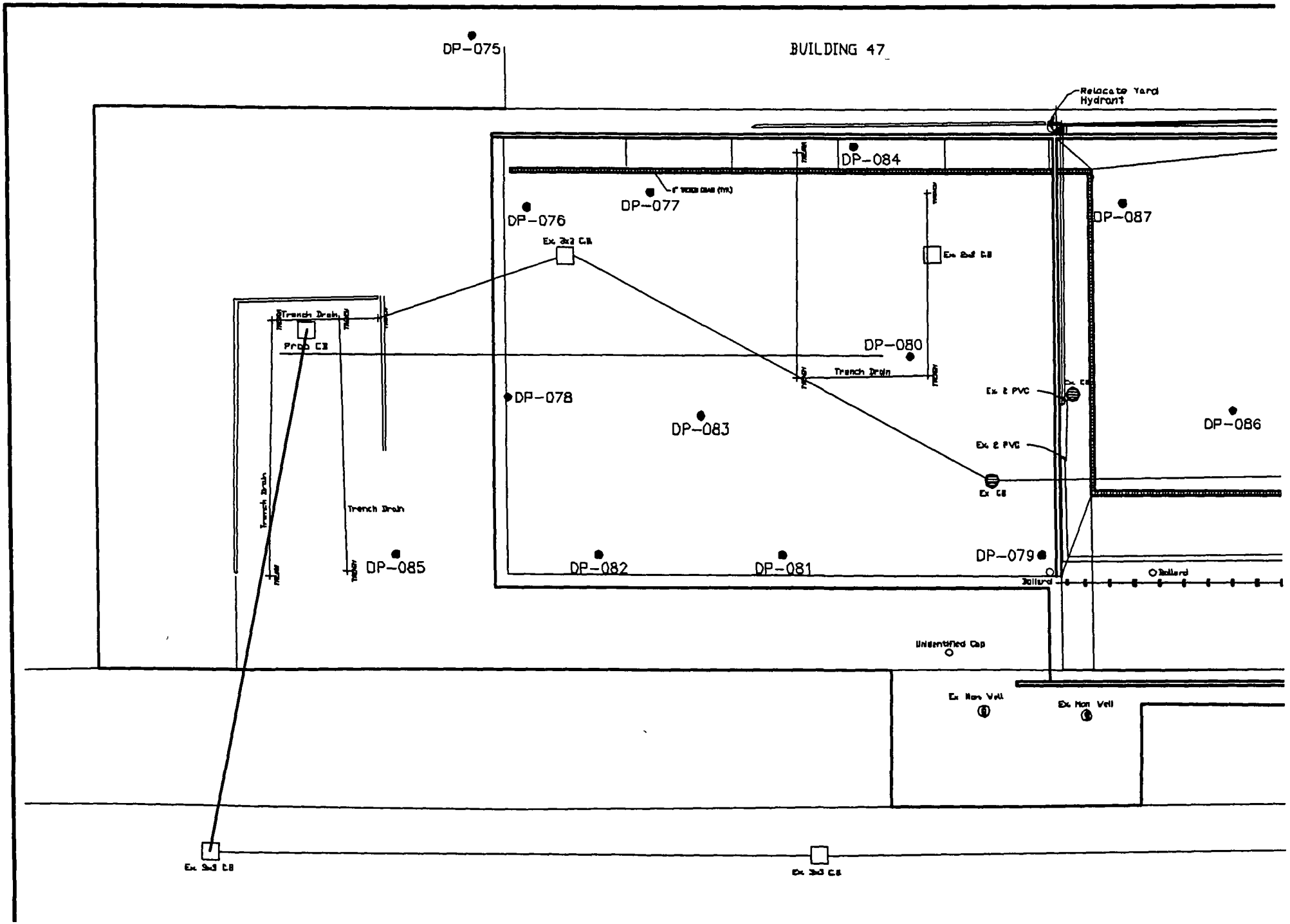
Sample Location and Depth (feet)	Date Collected	Tetrachloro-ethene	Trichloro-ethene
VAP RESIDENTIAL LIMITS ug/Kg		94,000	77,000
VAP INDUSTRIAL LIMITS ug/Kg		370,000	330,000
LOCATION / DEPTH	DATE		
DP-075@6-8'	2/2/00	8 1	ND
DP-075@14-16'	2/2/00	22	ND
DP-075@18-20'	2/2/00	190	8 1
DP-076@2-4'	2/2/00	7 8	ND
DP-076@6-8'	2/2/00	71	ND
DP-077@10-12'	2/2/00	76	ND
DP-077@14-16'	2/2/00	200	ND
DP-078@6-8'	2/2/00	13	ND
DP-078@16-18'	2/2/00	48	ND
DP-079@14-16'	2/3/00	56	ND
DP-079@18-20'	2/3/00	20	ND
DP-079@2-4'	2/3/00	6 5	ND
DP-081@2-4'	2/3/00	11	ND
DP-081@8-12'	2/3/00	49	ND
DP-082@6-8'	2/3/00	50	ND
DP-084@6-8'	2/3/00	17	ND
DP-085@2-4'	2/3/00	18	ND
DP-085@10-12'	2/3/00	ND	16
DP-087@14-16'	2/3/00	55	ND
DP-087@18-20'	2/3/00	150	ND
DP-087@2-4'	2/3/00	16	ND
DP-087@5-8'	2/3/00	57	ND
DP-087@5-8'/DUP	2/3/00	17	ND
DP-088@6-8'	2/3/00	14	ND

SEMI-VOLATILE ORGANIC COMPOUNDS

Units are in Micrograms per Kilogram (ug/Kg)

Sample Location and Depth (feet)	Date Collected	bis- (2-Ethylhexyl) phthalate
VAP RESIDENTIAL LIMITS ug/Kg		150,000
VAP INDUSTRIAL LIMITS ug/Kg		860,000
DP-086@1-4'	2/3/00	210
DP-086@1-4'/DUP	2/3/00	190

ONLY DETECTED COMPOUNDS ARE LISTED ON THE TABLE


DP-075
BUILDING 47
Relocate Yard Hydrant
DP-084
DP-077
DP-076
DP-087
Ex. 2x2 C.B.
Ex. 2x2 C.B.
Trench Drain
Prop C.B.
DP-080
Trench Drain
DP-078
DP-083
Ex. 2 PVC
Ex. 2 PVC
DP-086
Ex. C.B.
Trench Drain
Trench Drain
DP-085
DP-082
DP-081
DP-079
Bollard
Bollard
Unidentified Cap
Ex. Mon Well
Ex. Mon Well
Ex. 3x3 C.B.
Ex. 3x3 C.B.

(1)

Dayton – Waste Man PCB 7-18-00

Grey — Tissue

Tony + ?

Jon

Mike Wells

Ma

Kathleen — 3000 gals. 7-20-00 now 3800

– Taken from Dayton 6-19

Peterborough Water 1.5 ppm

Waste 1.5 ppm

Letter Not + TSCA 6/20

Tank D15 10,000 Tank 800 Now 1200 Was in Tank

8,600 3,000 gal from Dayton

800 gal sludge from Onyx Tank

w/o Vac Truck

clean operation 14 Drums

3 - 13 & 14 Were sampled

3.65 6.87 2306

sludge must be sampled Dry Wt.

2 drums from Bottom of D15

669 Dry Wt Base 6-29

Will re sample the retention

Trailer 2018 shipped to Ill 6-29

38,321 lbs TWT

about 2000 / 2400 gals from D-15 other tank, Test results PCB-73 ppm wet Wt

(Not loaded or received since)

(2)

at Ill called sample mix of Water & Sludge
Was 35 ppm Wet Wt.

Came Back resample Was 35 ppm Wet Wt

Retaking sample from original Tanker Water now by Dry Wt
Dry W sample 270 ppm
No % solids
Tanker resample 498

6-20 14 Drums — other Customer
2 Drums — other Customer
2 Drum Decon of Vack

all 33-4 drums have been now sampled on dry Wt

Liquid less 0.5% of solids use Wet Wt.

Tank D15 6,650 gal = Now has
an Other 550 gal from other sources

Drums
14 ours
2 Bottom D15
14 other clients
2 other clients
2 Decon of Vac.
34 Drums

original Tanker Needs Decon

6650 gals in tank With possible sludge

4400 gal in Tanker 2018

(3)

Now day 18 from 6-29

Need to Repeat Water in 15 days
& Removed Water onsite 15 days.

Separate phase of the Waters Need to get
less 0.5% solids.

PCB Remediation Waste

Need to check How confirm that EPA
is still good

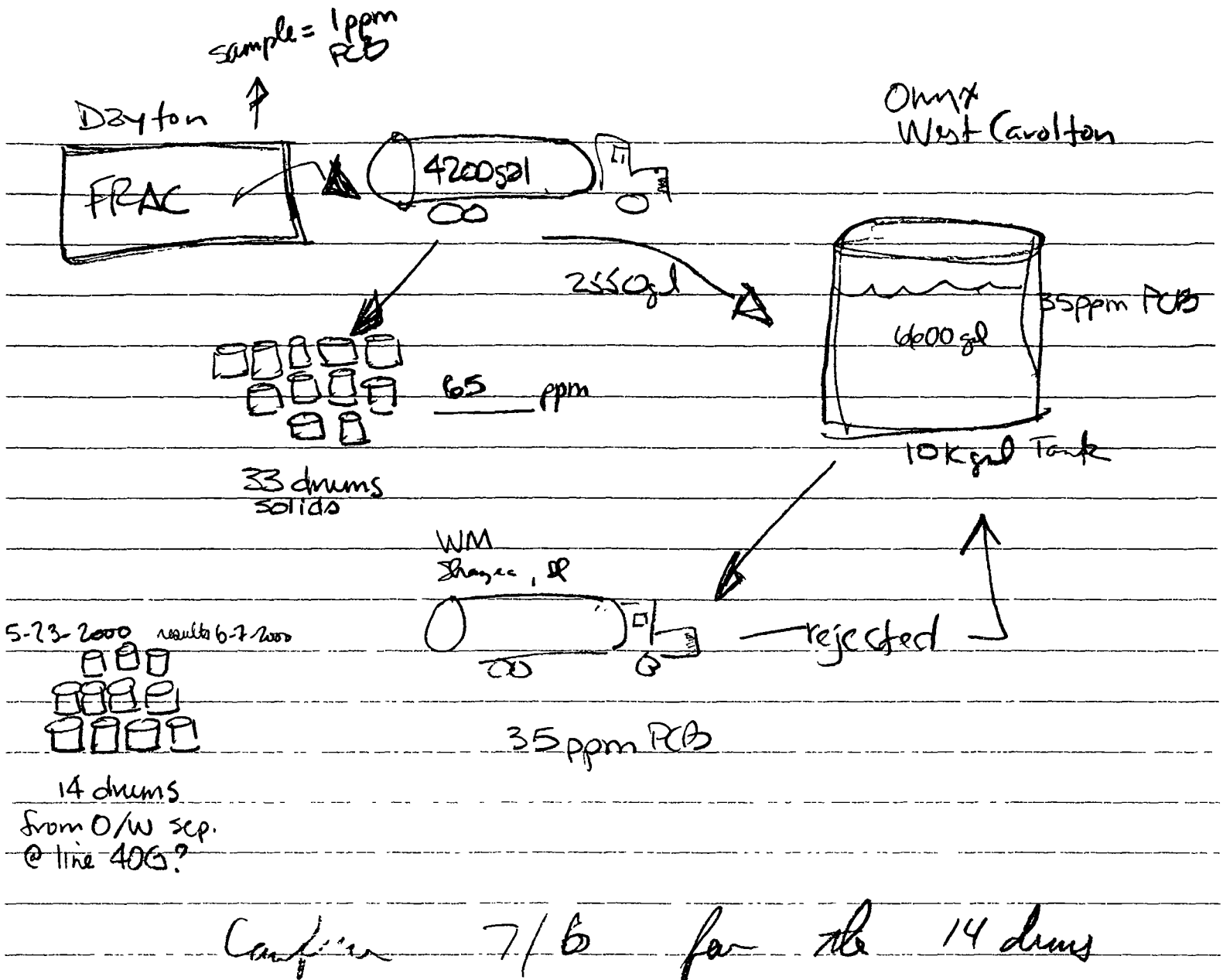
Have about 11,000 gals cost

Drums 34 drums cost

results by Tomorrow
Taken

2018

D 15



Confirm 7/6 for the 14 drums

Confirm date 6/29 for Water + 33 drums Sludge

June 19

Free Samples 40

samples 1 PCB
Non TSCA

Batch Tank
65 ppm

16 Drums from Dayton

33 Drums from
1000 ppm

11,000 + gals.

9367

Water
35 after Treat.
after Shake
65 ppm

1 tanker
5,000

From reporter

Conference Call

PCB

33 drums (shipped)
5/23 - 14 drums sludge
(o/w sep)

258 comp.
1442 - 50 ppm
(4 ?)

888 - 790 - 1880

33 drums
50
1650 gal

@ Treat facility - 35 drums from tanker
~~vac truck~~
- 6600 gal in tank

5000 gal
1650
3350

714 - 2407

Tank
D-15 2 Drums 73.5 ppm

Have need 15 days
to report
15 days to remove

PCB Closure Work Plan
Dayton Thermal Products
Dayton, Ohio

Introduction

This work plan is intended to initiate closure of the PCB issue at the Dayton Thermal Products (DTP) plant and to identify the steps that DaimlerChrysler will take to clean the sewer lines beneath the plant to eliminate the potential for post-closure releases of PCBs.

During initial cleaning of inactive sewer lines, unanticipated PCBs were detected in some rinsate waters Review of the distribution of PCB detections indicates that their occurrence is associated with plant production areas where use of lubricating and/or hydraulic oils has been observed Residual oils/sludges may have been trapped in inactive sewer lines, not mobilizing until sewer cleaning activities. PCBs have been detected in the liquid, sludges, free phase product, and rinse waters from the sewer lines, and an oil/water separator associated with Buildings 40, 40A and 50. The predominant PCB that has been detected is Aroclor 1254 with only trace amounts of Aroclor 1260

The Toxic Substances Control Act plan are not believed to be associated with a spill, and because they were likely used prior to May 4, 1987 (the TSCA policy effective date), the PCB issue is excluded from the strict requirements of the TSCA regulations Although the EPA retains the flexibility to allow less stringent or alternative decontamination measures based upon site specific considerations

Cleanup Methodology, Sewer Lines

Sewer lines and sumps/separators will be cleaned with a high-pressure water jet with rinse waters collected by a vacuum truck In locations where the sewer line is not accessible by a manhole or floor drain, a sawcut will be made through the concrete to expose the sewer line. The sewer lines will then be cut and cleaned with high-pressure water After cleaning, the sewer line will be abandoned and later backfilled and capped with concrete to match the existing floor grade All liquids removed will be placed in frac tanks, properly labeled, and analyzed for PCBs via EPA Method 8082. At a minimum, sewer lines with PCB detections will be triple rinsed and resampled Final rinsate samples will be collected and analyzed for PCBs Rinsing will continue until PCB concentrations in rinsate waters are less than the cleanup goal of 2 ppm

Cleanup Methodology, Separator

The oil/water separator at the southwest corner of Building 50 will be power-washed and triple rinsed Any flow (process or otherwise) from Building 50 that leads to this separator will be rerouted prior to final cleaning of the separator and sewer lines in Building 50 If free-product from the Building 50 oil/water separator contains PCBs with concentrations greater than 50 ppm the PCB bulk waste will be removed and incinerated at a permitted PCB waste disposal facility.

Since the walls of the separator were uniformly exposed to any potential PCBs two (2) concrete core samples will be sufficient to determine any PCB impacts. One sample would be collected from the upper half of one separator wall (oil leg) and the other sample would be collected from the bottom half of the opposite wall (water leg) The separator will also be visually inspected for cracks, seams, staining, residual material, and overall structural integrity No further cleanup activities are warranted if the concentrations of PCBs in concrete are below the 1 ppm cleanup level

Abandonment

Sewer line and oil/water separator abandonment will begin following the adherence to the above mentioned cleanup standards It is the intent of DaimlerChrysler to pump all cleaned, inactive sewer lines, and the separator at the southwest corner of Building 50, full of grout This will be done though existing manholes, floor drains and sawcuts Additional sawcuts may be needed to gain access to the sewer lines.

REQUEST FOR BID FOR DRILLING SERVICES FOR INSTALLATION OF OFF SITE MONITORING WELLS DAYTON THERMAL PRODUCTS DAYTON, OHIO

PART 1 GENERAL

INVITATION TO BID

Your firm is hereby requested to submit a proposal for performing the complete work as described in the Contract Documents consisting of these specifications, the bid form, and included drawings and sketches.

Information regarding existing conditions at the job site are believed to be reasonably correct, but Leggette, Brashears & Graham, Inc. (LBG) cannot guarantee its completeness or accuracy The Contractor will be held to have examined the Contract Documents, the premises and the job site and to have satisfied himself as to the scope of work and field conditions before the delivery of his proposal

1.1) BIDS AND PRICES

A Contractor's base bid must be in accordance with the Specifications Contractor may, at its option, offer alternate bids in addition to the base bid. Each alternate bid must be clearly identified as an alternate and must identify all exceptions taken to the Specifications, listing each item separately and the reason for the exception Contractor must submit to LBG any alternate price, unit price and separate price that LBG may require All prices quoted will be firm and with no provision for escalation, unless otherwise specified in writing when the Contract is awarded Prices must include all applicable taxes.

B When the Specifications provide for a specific item or its equal, Contractor must calculate the price of the make or type specified If Contractor prefers to use a substitute material or method that Contractor believes to be of equal or greater value than the specified item, Contractor must state in its bid proposal the price difference to be added to or deducted from the bid price if the specified item were replaced by the substitute If substitute materials include regulated substances, Contractor must submit a completed "Supplier Regulated Substances Certification Report" to DaimlerChrysler

C If a choice of more than one make or type of article or material is specified and Contractor requires an adjustment in the bid price because of the alternatives specified, Contractor must state in its bid proposal the make or type upon which the bid proposal is based and the amount to be added to or deducted from the bid price if other makes or types named in the Specifications are selected If that type of statement is not in Contractor's proposal, LBG may select any specified make or type without incurring a change in the price In any event, whenever LBG has a choice of alternate materials, the final selection is LBG's

1 2 SCOPE OF WORK

A. LBG is soliciting cost proposals for drilling, soil sampling, well installation, and well development near DaimlerChrysler Corporation's Dayton Thermal Products in Dayton, Ohio (figure 1)

B Your firm is invited to submit a bid for the advancement of approximately twenty (20) soil borings which will be completed as triple-clustered monitoring wells/piezometers (three installations per boring) Approximate screen setting depths will be 30, 50 and 85 feet below ground level (bgl), but depths may be adjusted depending on conditions in the field

C The drilling activities will include split-spoon soil sampling with 2" split spoons, standard geotechnical penetration tests, installation of monitoring wells and piezometers, and well development. Split spoons will be collected at 5 foot intervals **Contractor will provide sufficient quantity of drill rods to minimize trips back to the decontamination area at the plant.** Contra

D Contractor shall containerize all drill cuttings. Cuttings will be containerized at the boring location then transferred to the plant and placed into a rolloff container on the plant property **A forklift with a barrel grappler or other loading device will be needed to get the soil into the rolloff. The contractor will provide/arrange for rolloff and forklift.** LBG will be responsible for sampling and coordinating disposal

E. The Contractor shall provide a portable steam cleaner or pressure washer and other necessary equipment and supplies necessary to decontaminate all drilling equipment All decontamination fluids shall be containerized and stored at an on-site location designated by Owner

F **Contractor shall provide trade-specific union labor, signatory to the terms of the National Maintenance Agreement, the local collective bargaining agreement, and/or as required by the Owner.** There is no specific bid item number provided for this provision Include costs associated with this provision in the bid items given

G The Contractor shall provide all services, equipment, material, labor, tools, taxes, and any other resources, in good working order, required for the completion of the Work specified in this Request for Bid.

H All wells shall meet the specifications recorded in this Request for Bid, and be in accordance with the Ohio EPA guidance document titled "Technical Guidance Manual for Hydrogeologic Investigations and Ground Water Monitoring"

1.3 DEFINED TERMS

A Certain terms used in this Request for Bid have the meanings indicated below, which are applicable to both the singular and plural thereof

1 Owner - DaimlerChrysler Corporation

2 Property Owner - legal owner of the property on which drilling will be conducted

3 Bidder - one who submits a Bid directly to LBG as distinct from a sub-bidder, who submits a bid to a Bidder Bidder is synonymous with Contractor

4 Successful Bidder - the Bidder to whom LBG and Owner make an award.

5 LBG - Leggette, Brashears & Graham, Inc, synonymous with Owner's Representative and Consultant.

1.4 INSTRUCTIONS TO BIDDERS

A The Contractor shall itemize costs and completely fill out the attached Base Bid Form, providing unit costs for all activities and materials, as the scope of work for this job is flexible. The Contractor shall be compensated on a unit cost basis for the actual quantities of Work/materials utilized. The cost proposal shall include any project management costs required to perform the Work as well as the cost per hour for down time that is not caused by drilling problems.

B. In addition to the Base Bid Form, if the contractor so chooses, an alternative bid may also be submitted provided the proposed activities meet the intent of this specification. The proposed alternative should benefit the overall project and the contractor shall identify the benefit(s) of the alternative over the base bid scenario The contractor shall itemize all costs appropriately on the attached Alternative Bid Form. The Contractor shall be compensated on a unit cost basis for the actual quantities of Work/materials utilized. The alternate cost proposal shall include any project management costs required to perform the Work as well as the cost per hour for down time that is not caused by drilling problems

C It is a requirement of your proposal, in order to meet the objectives of the DaimlerChrysler S C O R E Program, that voluntary cost-saving alternates valued at 6% or more of your bid, be included with your proposal Base bids must be in accordance with drawings and specifications Voluntary alternatives are to be spelled out separately and identified by letter or number and by dollar value Descriptions of these voluntary alternates may, at the bidder's discretion, be withheld until clarification, since it is not LBG's intent in any way to pass these voluntary alternates along to other bidders for consideration

D **A mandatory pre-bid meeting and site walkover will be conducted at the facility on_____, Eastern Daylight Savings Time.**

E Bidders that would like to be considered for the Work outlined in this Request for Bid should fax completed Bid Forms to Kenneth D Vogel at (651) 490-1006, no later than **noon Central Daylight Savings Time** _____, 2000. Complete bid packages should be received by Kenneth D. Vogel no later than _____, 2000. Bids received after this time may not be accepted. Bids will be opened privately

F The proposed rig type and rig dimensions along with an estimate of the time required to complete the Work outlined in this Request for Bid should be submitted with the completed Bid Form.

G LBG reserves the right to be sole judge of all bids and can reject any and all bids for any reason. If you have any questions or comments in regard to the proposed work, please contact Kenneth D Vogel at Leggette, Brashears & Graham, Inc , 1210 West County Road E, Suite 700, St Paul, MN 55112, Phone (651) 490-1405, ext 202 Fax (651) 490-1006, Email kvogel@lbgmn com

H The selected Contractor shall contract directly with LBG, per the Terms and Conditions of LBG's Standard Form Contract (example attached).

I All Bids should include a schedule and a discussion of the Contractor's availability and ability to meet the time deadline set forth in the Scheduling section of this Request for Bid for initiation of Work

J The quantities provided on the Bid Form are estimates based upon available site data. Actual payment will be based on Work completed.

K. Bidders are encouraged to include Minority Business Enterprise (MBE) firms for subcontracted services and/or supplies, when possible Such MBE firms must be certified by an Owner-approved national or regional MBE certification council. Bidder shall identify any such proposed MBE sub-contractors in their bid.

1.5 SITE LOCATION AND CONDITIONS

A. Dayton Thermal Products is located at 1600 Webster Street, Dayton, Montgomery County, Ohio (figure 1)

B. The drilling locations include twenty (20) public and private locations outside the plant property (figure 2) Some locations could be in high traffic areas. The Contractor shall provide adequate safety cones, barriers, signs, and/or equipment for limiting unauthorized access to drilling locations

C. The soil at the drilling locations is expected to consist of glacial outwash deposits consisting of sand, gravel, and cobbles with minor quantities of clay Previous drilling at the site with hollow-stem augers has encountered occasional advancement difficulties due to cobbles and/or other subsurface factors The depth to ground water is expected to be approximately 25 feet bgl.

1.6 CONTRACTOR USE OF SITE AND PREMISES

A Stage equipment and materials in location(s) designated by the Owner's Representative in order to minimize interference with Owner's operations

B Time restrictions for conducting work general work hours are limited to 8 30 a m to 6 30 p m daily Other restrictions may also apply Evening and weekend access may be permitted

C. The Contractor shall confine their equipment, storage of materials, and the operations of their workmen to limits indicated by law, ordinances, permits, and directions of the Owner and the City of Dayton The Contractor shall enforce the Owner's instructions regarding signs, advertisements, fires and smoking Smoking on the premises will be permitted only in areas where the Owner's regulations do not forbid the same

D. The Contractor and all Sub-Contractors and their employees shall be subject to and at all times conform to the Owner's rules and requirements for the protection of the plant, materials, equipment and Owner's employees

E Contractor will not unreasonably encumber the job site with materials or equipment and will confine its equipment, materials storage and the operation of its workmen within such areas as the Owner and/or Property Owner may indicate from time to time Contractor will, at no cost to Owner and/or Property Owner, move, as directed, material or equipment temporarily placed on the job site when necessary for performance for the Project.

F Contractor must not load or permit any part of a structure to be loaded with a weight that will endanger its safety

G Contractor will keep the job site and surrounding areas free from accumulation of waste materials or rubbish caused by operations under the Contract. Contractor will upon completion of the Project leave all drilling locations

broom clean and restored to original condition or better, and remove from and around the job site waste materials, rubbish, tools, construction equipment, machinery and surplus materials If Contractor fails to clean up, Owner and/or Property Owner may do so at Contractor's expense

H Contractor will afford Owner and Owner's other contractors, if any, reasonable opportunity for introducing and storing their materials and equipment and for performing their activities on the job site. Contractor will carry on its work so as not to unduly hinder, delay or interfere with their progress. Contractor will perform any cutting and altering of, and fitting to, its work to make possible other work, including that of trades not covered by the Contract, as indicated on the Drawings even though not specifically stated in the Contract Documents.

I Contractor and its subcontractors will not disconnect, remove, connect, change or otherwise alter in any way any pipelines, sewers, conduits, cables or other utilities located on Owner's/Property Owner's premises without the specific, prior written approval of Owner/Property Owner

J Contractor will not store or use dynamite or other explosives on Owner's/Property Owner's property without the express prior written approval by Owner/Property Owner

K If required by Owner, Contractor will furnish its employees and those of its subcontractors with a badge or a card, acceptable to Owner, which will identify them as employees of Contractor or its subcontractors, respectively, and admit them to the job site

1.7 OWNER OCCUPANCY

A The Owner and/or Property Owner will occupy the premises during the contract period.

B Contractor shall cooperate with Owner/Property Owner to minimize conflict and to facilitate Owner's/Property Owner's operations

C Contractor shall schedule the Work to accommodate this requirement

1.8 WORK SEQUENCE

A Conduct Work to accommodate Owner's/Property Owner's occupancy requirement during the Work. Coordinate schedule with Owner's Representative. Conduct Work so inspections and testing can be conducted at a time acceptable to and in the presence of the Owner's Representative

1.9 REFERENCES

A. Ohio EPA guidance document "Technical Guidance Manual for Hydrogeologic Investigations and Ground Water Monitoring" and other relevant regulatory guidance

1.10 PROJECT RECORD DOCUMENTS

A. Submit, to Owner's Representative, signed copies of well records or other documents required by state, local or federal agencies.

B *Submit, to Owner's Representative, prior to initiating work, Certificates of Insurance documenting required insurance coverages and naming Leggette, Brashears & Graham, Inc. and DaimlerChrysler Corporation as additional insureds.*

C Submit, to Owner's representative, prior to initiating work, a site-specific Health and Safety Plan for the work.

1.11 REGULATORY REQUIREMENTS

A Contractor shall conform to all applicable codes of state and local regulatory authorities.

B Contractor shall have all state, local and/or federal licenses necessary to legally conduct the Work described in this Request for Bid.

C The Contractor shall obtain any and all permits required for the installation of the borings and wells

D Conduct Work in accordance with OSHA regulations, State of Ohio, and Owner health and safety protocols applicable to the Work.

1.12 HEALTH AND SAFETY

A *The project involves soil boring and well installation activities associated with the investigation of ground water potentially impacted by chlorinated hydrocarbons All or some of the Work may involve potential or actual exposure to these substances*

B Contractor shall have a Health and Safety Plan in place prior to initiation of Work. Level D protection is anticipated for this Work.

C All site workers shall provide documentation to the off-site drilling supervisor that the field personnel have been trained in the proper use of protective clothing and equipment in accordance with 29 CFR Part 1910

D The presence of LBG and/or Owner/Property Owner on the site does not relieve the Contractor's responsibility for complying with all federal, state, and local health and safety guidelines

1.13 UTILITIES

A Contractor will be responsible for calling Ohio Utilities Protection Service at (800) 362-2764 and scheduling a utility meet for marking of the location of utilities within the Work area, a minimum of 48 hours and a maximum of 10 days prior to commencing drilling operations

1.14 SCHEDULING

A. The anticipated start date for the Work outlined in this specification is the week of _____, 2000

B. The Contractor shall notify LBG of any anticipated schedule conflicts or delays a minimum of 5 working days in advance

C Contractor shall submit a detailed calender of the proposed drilling schedule

1.15 LBG RESPONSIBILITIES

A LBG will obtain permission from Owner/Property Owner's to gain access to the sites LBG will provide a full-time drilling supervisor to identify drilling locations and observe and log soil samples.

B The presence of LBG on the site does not relieve the Contractor's responsibility for proper workmanship and well construction/installation as required by state codes

C LBG will coordinate disposal of soil cuttings

PART 2 PRODUCTS

2.1 WELL PRODUCTS

All materials shall be new product.

A. Well Casing.
   1 2-inch diameter Schedule-40 PVC pipe with flush joint thread and Buna O-rings for each connection.

B Bentonite Chips/Pellets/Grout·
   1. Manufacturer and specific product shall be at the Contractor's discretion and as accepted by the Owner's Representative, in accordance with Ohio well code

C Bentonite Seal·
   1. Manufacturer and specific product shall be at the Contractor's discretion and as accepted by the Owner's Representative, in accordance with Ohio well code.

D. Filter Pack Sand.
   1 Red Flint No 30 sand or equivalent sand that is compatible with 10-slot screen
   2 Manufacturer and specific product shall be at the Contractor's discretion and as accepted by the Owner's Representative, in accordance with Ohio well code

E. Shallow monitoring wells.
   1. 2-inch diameter, Schedule 40 PVC screen, 10-slot (0 010 inch) openings, and flush joint thread with Buna O-rings for each connection.
   2. Screen lengths shall be ten (10) feet.
   3 Screens shall be fitted with a bottom plug.
   4 Bottom screen depths shall be set at approximately 30 feet bgl

F Piezometers·
   1 2-inch diameter, Schedule 40 PVC screen, 10-slot (0.010 inch) openings, and flush joint thread with Buna O-rings for each connection
   2. Screen length shall be two (2) feet.
   3 Screen shall be fitted with a bottom plug.
   4 Bottom screen depth shall be set at approximately 50 and 85 feet bgl

G Flush-Mounted Well Installation·
   1 Wells will require a wire-mesh reinforced cement pad around the well vault with a positive gradient sloping away from the well (figure 3)
   2 Locking, water tight vaults shall be Durham Geo Enterprises, Inc., CapCop Locking Cover 21x21, Item TC-733, or other appropriate size, Durham Geo Enterprises, Inc 2175 West Park Court, Stone Mountain, GA, (800) 837-0864. The covers shall be clearly marked with the standard monitoring well warning symbol and labeled "Monitoring Well, Do Not Fill "
   3 Flush-mount wells shall be fitted with watertight, flip-top, compression type, locking well caps provided by the Contractor
   4 Contractor shall provide necessary materials to insure proper curing of concrete Should concrete pad(s) crack, split, or otherwise be insufficient, Contractor shall immediately replace the concrete pad at Contractor's sole expense
   5 Contractor shall provide and install engraved, unique well identification disks of non-corrosive, durable material within the concrete surface LBG shall provide Contractor with unique well numbers/IDs.

2.2 SAMPLING METHODS AND MATERIALS

A. 2-inch diameter split-spoon sampler, or other suitable method approved by Owner
B Decontamination equipment and materials.

2.3 PRODUCTS FURNISHED BY OWNER

A. Key-alike locks for Piezometers/Monitor wells
B LBG will help Contractor secure source of power and water from the Dayton Thermal Products Plant

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

A. Contractor shall verify that site conditions are safe and suitable for all personnel and equipment for conducting the Work.
B Contractor shall protect structures near the wells from damage

3.2 DRILLING

A Drill borehole to diameters and depths specified in this Request for Bid. Boring depths may be adjusted depending on data obtained in the field.

3.3 SOIL BORING SPECIFICATIONS

A. The soil borings shall be drilled and sampled in accordance with ASTM D 1586, "Penetration Test and the Split-Barrel Sampling of Soils "
B Borings shall be of sufficient diameter to accommodate three, 2-inch monitoring wells/piezometers

3 4 SOIL SAMPLING

A. Soil samples shall be collected starting from just below the ground surface and at 5-foot intervals thereafter, to boring termination, and/or as directed by the on-site LBG representative

3.5 DECONTAMINATION

A. Soil sampling and drilling equipment shall be decontaminated on site.
B Contractor shall construct a temporary decontamination pad in a location approved by Owner

3.6 WELL INSTALLATION

A. The following general requirements for well construction are subject to minor changes as directed in the field by on-site LBG personnel.
B. Prior to use, the casings and couplings shall be inspected for cuts, deformations, gouges, deep scratches, damaged ends, and other imperfections Any casing or coupling having such a defect(s) may not be used Trim and smooth ends and remove burrs from well casings Remove any debris or dirt, on inside and outside of casings, before assembly
C The well casing and screen assembly shall be constructed during the drilling of the borehole Place well casing(s) and screen assembly(s) immediately after drilling, with well screens properly spaced within the borehole Set

firmly in place Allow inspection of casing(s) prior to placement of bentonite Place sand pack(s) and bentonite seal(s) in accordance with this Request for Bid A tremie pipe shall be used to emplace fine sand and filter pack sand, and to construct the annular space seals below the water table.

D. Filter pack sand shall be emplaced so as to extend from 6 inches beneath the bottom of the well screen to 2 feet above the top of the well screen. Contractor shall ensure that the filter pack is installed evenly surrounding the well screen and casing over the proper interval by using a tape measure, measuring rod or similar device. The filter pack sand shall not be allowed to bridge. If bridging occurs, the filter pack sand shall be tamped into place to surround the well screen and/or casing.

E. Bentonite chips or pellets shall be used for seals placed below the water table. Contractor shall ensure that the filter pack seal is installed over the proper depth interval by using a tape measure, measuring rod or similar device The filter pack seal material shall not be allowed to bridge The filter pack sealing material shall be tamped into place to surround the well casing

F. All wells shall be constructed with an annular space seal which shall extend from the filter pack seal to the ground surface seal and shall be at least 2 feet in length. Sealant materials may not contain additives

G All wells shall be constructed with a concrete ground surface seal. The ground surface seal shall extend to a minimum of 60 inches below the land surface, or as directed by LBG personnel

H Maintain well opening(s) and casing(s) free of contaminated materials Do not permit cuttings to enter casing(s) when the top is being cut to final elevation

3.7 WELL COMPLETION

A Monitor well nests shall be completed as flush grade wells with 3'X3' wire mesh reinforced concrete pads

3.8 WELL DEVELOPMENT

A. Contractor shall properly develop wells and containerize development fluids and store in onsite location designated by Owner

3.9 SOIL BORING ABANDONMENT

A. All soil borings that are not completed as wells shall be abandoned in accordance with applicable state guidelines. It is not anticipated there will be any borings which will be abandoned

3.10 DRILL CUTTINGS

A Drill cuttings shall be collected and containerized in Contractor-provided container(s) Contractor shall transfer all cuttings to the plant and place into a Contractor-provided rolloff container located at a designated area of the plant property

3.11 SITE CLEANING/RESTORATION

A. The Contractor shall be responsible for collecting and disposing of all cement, sand pack and bentonite bags, as well as other refuse and materials, and cleaning up and restoring the areas where drilling has taken place Such restoration includes, but is not limited to, asphalt/concrete patching, soil replacement, seeding and/or sodding

END OF REQUEST FOR BID

S:\TECH\3CHRY\DAYTON\PROJMGMT\BIDS\OFFSITE2 RFB

BID FORM

TO: Mr Kenneth D Vogel
Leggette, Brashears & Graham, Inc.
1210 West County Road E, Suite 700
St. Paul, Minnesota 55112

FOR. Drilling and Well Installation Services
DaimlerChrysler Corporation
Dayton Thermal Products Plant
Dayton, Ohio

The undersigned has carefully examined the Request for Bid for Drilling Services and other conditions relative to the work, and has made all evaluations and investigations necessary to gain a full understanding of pertinent site conditions and all regulatory, material, equipment, and labor requirements necessary to successfully and safely complete the work, as well as any reasonable difficulties which may be encountered in performing the work.

BID SCHEDULE

The undersigned hereby proposes and agrees to furnish all labor, materials, equipment, tools, taxes, services and all other items necessary or appropriate for the proper and complete execution of the work for the following estimated amount:

Base Bid Estimate

All work:_____Dollars ($_____)

The undersigned agrees, if this proposal is accepted, to enter into an agreement with Leggette, Brashears & Graham, Inc., per the Terms and Conditions of LBG's Standard Form Contract, for the above unit price-based, estimated Contract Sum.

Unit Prices
This bid estimate is based upon, and all work shall be performed in accordance with, the Unit Prices listed below Should additions or subtractions to the scope of work be required, adjustment will be made to the Contract Sum at the following Unit Prices, which shall include all associated expenses, including taxes, overhead and profit.

UNIT PRICE TABLE

I.D	DESCRIPTION	UNIT	EST QTY	UNIT COST	TOTAL
A	Mobilize and demobilize equipment and work crew to/from Dayton, Ohio	L S	1		
B	Drill 20 soil borings which will accomodate triple-clustered, 2-inch monitoring wells/piezometers to a depth of 85 feet	L. F	1700		
C.	Soil sample, 2-foot long, 2-inch diameter split-spoon sampler at 5-foot intervals	Each	320		
D.	Monitoring well/piezometer installation/construction.	L F	3300		
E	Flush-grade monitoring well/piezometer finishing.	Each	20		

ID	DESCRIPTION	UNIT	EST QTY	UNIT COST	TOTAL
F.	2-inch, flip top, watertight, compression well caps	Each	60		
G	Monitor well/piezometer development.	Per Hour			
H.	Containerization of drill cuttings	L S	1		
I	Decontamination equipment and supplies.	L S.	1		
J	Decontamination.	Per Hour			
K.	Standby, non-equipment failure.	Per Hour	0		
L.	Per Diem, entire crew.	Per Day			
M.	Material Handling.	Per Hour			
N.	Level C Personal Protection	Per Man/Per Day	0		
O					
P					
	TOTAL ESTIMATED BID	------	-----	------- --	

L.S. = Lump Sum L F = Linear Foot

NOTE: Bidder shall provide estimated quantities for all equipment/materials/services on Unit Price Table for which no estimated quantities are indicated.

Contractor proposes to use _____ (number) drilling rig(s).
Contractor estimates _____ days to complete this work.

PROJECT INITIATION

If awarded this contract, the undersigned proposes and agrees to start work as early as September 15, 2000

ADDENDA RECEIVED (IF REQUIRED)

The undersigned hereby acknowledges receipt of the following Addenda which shall become part of the Contract Documents:

Addendum Number 1 Dated_____ Addendum Number 2 Dated_____

Any Bid Addenda received during the bid process should be acknowledged by the Contractor by transferring the date of the Addenda to the appropriate line above.

BID ACCEPTANCE

In submitting this proposal, it is understood that Leggette, Brashears & Graham, Inc and DaimlerChrysler Corporation reserve the right to reject any or all bids, waive any formalities or technicalities in any bid and to make an award in the best interest of Leggette, Brashears & Graham, Inc. and DaimlerChrysler Corporation. It is further understood and agreed that this proposal may not be withdrawn for a period of sixty (60) calender days after the date set for bid receipt.

Our company **IS**_____, **IS NOT**_____ a Certified Minority Business Enterprise (MBE) firm (if so, please attach MBE certification documentation)

Respectfully Submitted.

_____

Contractor

_____

Signature

_____

Printed Name and Title

_____

Date

(____)_____

Telephone Number

(____)_____

Fax Number

_____

Email Address

S:\TECH\3CHRY\DAYTON\PROJMGMT\BIDS\OFFSITE FRM

-- DRAFT FOR CLIENT REVIEW --

ENVIRONMENTAL SITE ASSESSMENT

March 16, 1992

Prepared for.

ACUSTAR INC.
Dayton Thermal Products Division
Dayton, Ohio

Project 124565

BURLINGTON ENVIRONMENTAL

BURLINGTON ENVIRONMENTAL INC.
210 West Sand Bank Road
Post Office Box 330
Columbia, Illinois 62236-0330

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ENVIRONMENTAL SITE ASSESSMENT

ACUSTAR INC.
DAYTON THERMAL PRODUCTS DIVISION
DAYTON, OHIO

1 INTRODUCTION

Acustar Inc. (Acustar), a subsidiary of Chrysler Motors Corporation (Chrysler), requested the services of Burlington Environmental Inc. (Burlington) to assist in the performance of an environmental site assessment at their Dayton Thermal Products Division facility (the facility) in Dayton, Ohio. Burlington was requested to provide professional engineering and consulting services to assist Acustar in the review of the Dayton facility. This report addresses Burlington's initial effort, which focused primarily on acquiring and assimilating existing information concerning the facility and the immediate surrounding vicinity.

1.1 Purpose

The purpose of this assessment is to evaluate the site for potential environmental concerns resulting from current or past uses of the property or incidents that have occurred on adjacent properties that may have impacted the facility. This report documents the findings of the environmental site assessment and also outlines potential additional work that may be required to address findings of the assessment. The findings of this site assessment will aid in the development of a structured approach for performing future environmental investigations at the facility.

1.2 Project Approach

The assessment consisted of conducting a review of facility records, a site reconnaissance visit on January 28 and 29, 1992,

and a preliminary review of United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA) files pertaining to documented environmental concerns in the vicinity of the facility. Conclusions and recommendations resulting from this assessment are based on the following sources of information:

- review of plant records;
- interviews with current plant personnel;
- a visual reconnaissance of portions of the plant and surroundings; and
- review of regulatory agency files.

Sampling and analysis were not conducted as part of the environmental assessment, therefore analytical results were not used in formulating Burlington's conclusions and recommendations in this report.

1.3 Review Team and Acustar Contacts

The following Burlington review team conducted the site visit and review:

- Mr. Kevin Keller; and
- Mr. Michael J. Dvorsky.

The following Acustar plant and corporate contacts were made to provide background data and history of on-site operations:

- Mr. Luther Blair;
- Mr. Frank Kostusyk;

- Mr. Douglas Orf; and
- Mr. John Dull.

1.4 Report Format

The remainder of this report documents the findings of the review team's evaluation and assessment of environmental conditions at the facility at the present time. A description of the facility, including past and current operations, and the local geologic and hydrogeologic setting is presented in Chapter 2. A discussion of potential onsite and offsite sources of contamination, as well as a discussion of previous investigations is presented in Chapter 3. Findings and conclusions of the site assessment are presented in Chapter 4. Recommendations for future activities are discussed in Chapter 5.

2 SITE AND PROPERTY DESCRIPTION

The facility is located at 1600 Webster Street in Dayton, Ohio (Figure 1). Information gathered concerning the facility and the surrounding properties during Burlington's assessment are discussed in this chapter.

2.1 Facility Description

The facility is a 1.3 million square-foot masonry and steel building complex located on approximately 60 acres in Dayton, Ohio. The facility is located in a mixed residential and industrial setting. A site plan is shown in Figure 2. The facility is bounded on the north by Stanley Street, an Omega gas station, and Pierce Brothers Company, a concrete fabricator. To the east of the facility is the CSX Railroad, Gem City Chemical, American Lubricants, Nationwide Roofing, Heidelberg Distributors, and private residences. Leo Street, Heidelberg Distributors, Ris Paper, Marks Concept, an automotive garage, light commercial establishments, and private residences border the facility to the south. On the western boundary are Webster Street, Hohman Plating and Manufacturing Company, an interior decorating warehouse, Brainerd Industries, Southern Ohio Kitchens, and other light commercial structures.

2.2 Past Operations

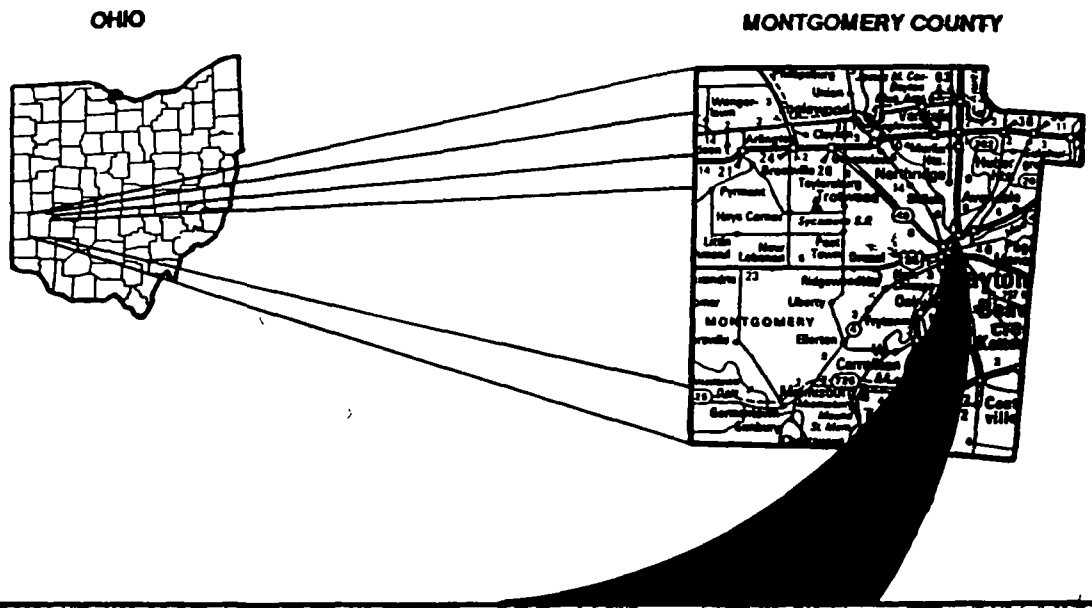
Manufacturing operations began at this site around 1907 at a facility called the Maxwell Complex. Maxwell cars were assembled at the facility. There is no definitive history of environmental or waste management operations conducted at the Maxwell Complex. Chrysler purchased the facility in 1936. The facility has been

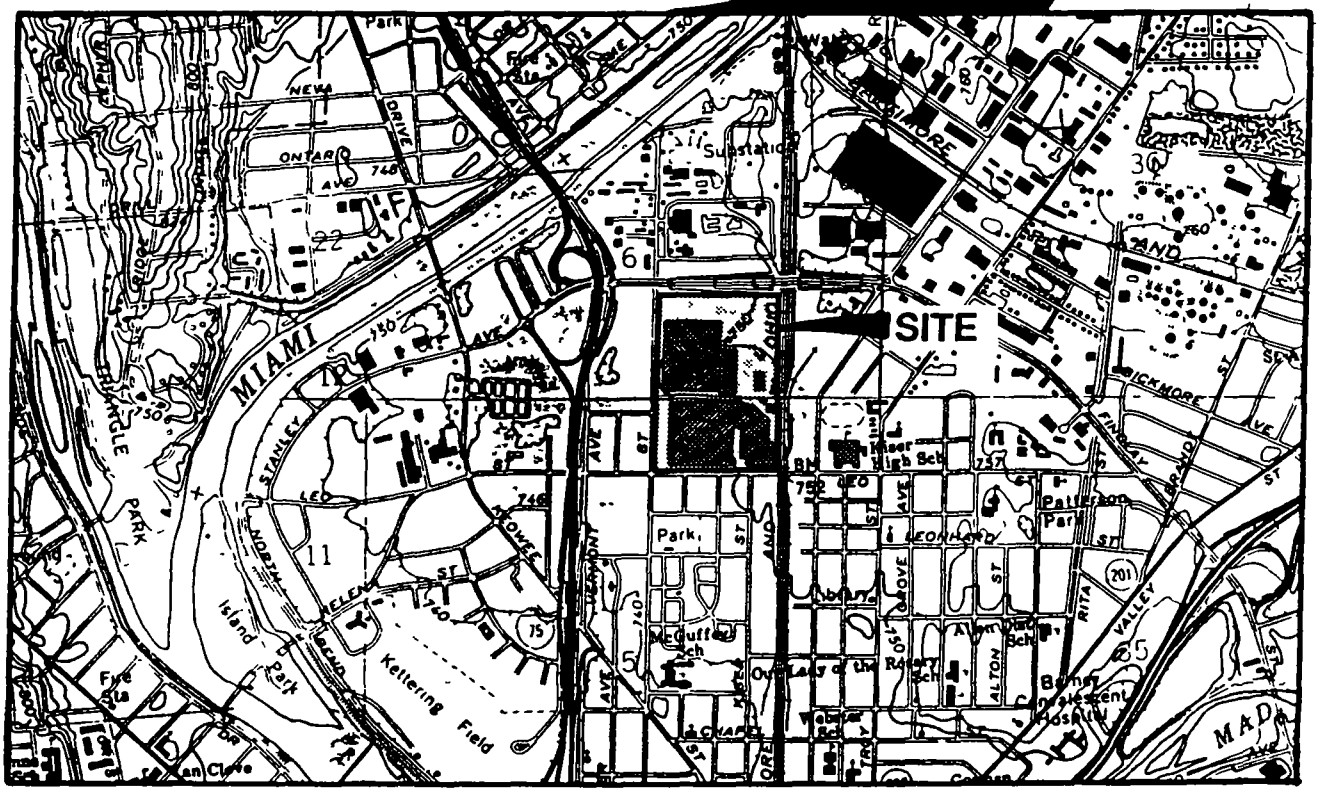
PROJECT MANAGER

DOCUMENT MANAGER

CHECKED BY

DRAWN BY





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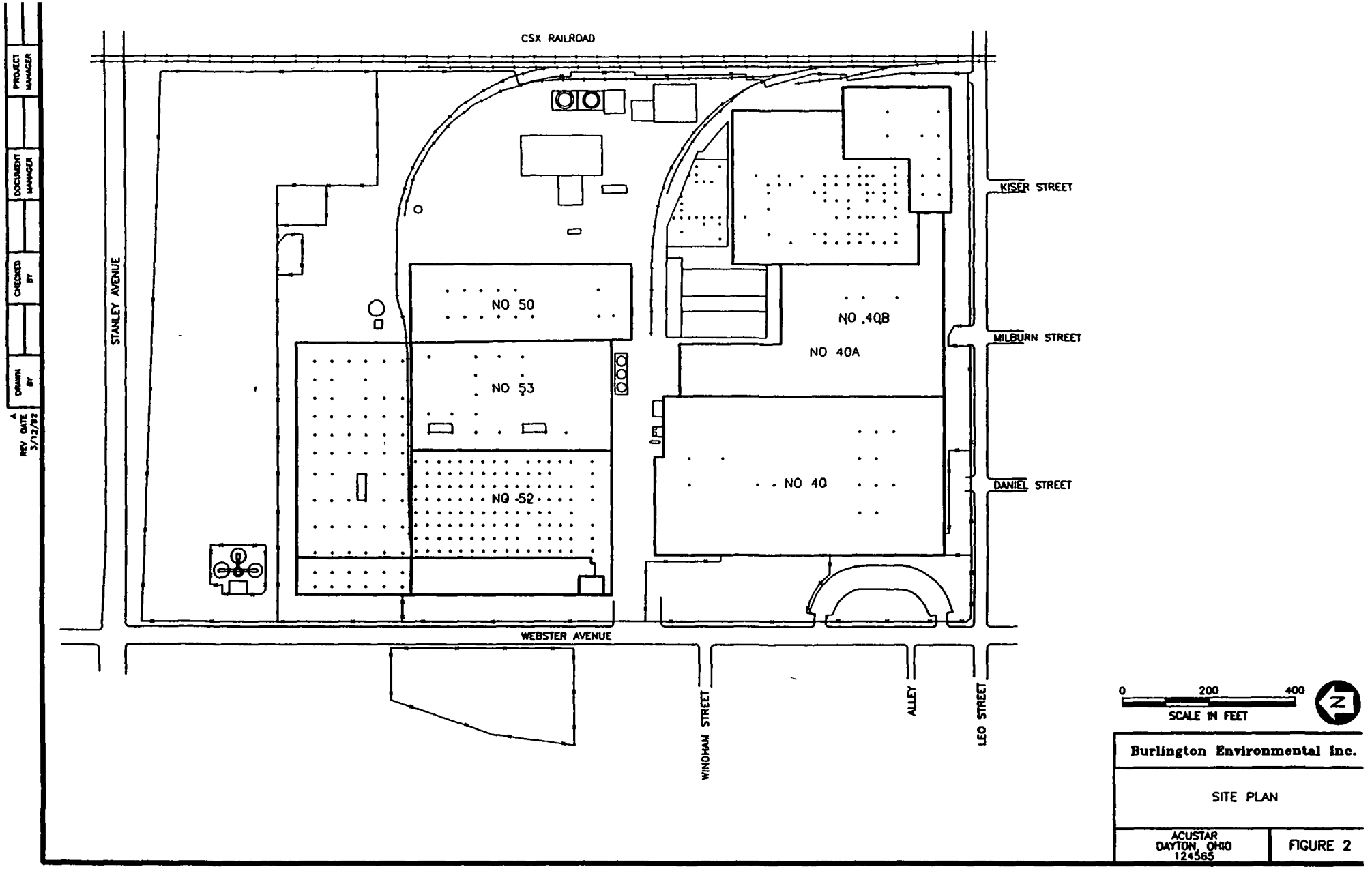
Burlington Environmental Inc.	
SITE LOCATION MAP	
ACUSTAR DAYTON, OHIO 124565	FIGURE 1

Modified from U.S.G.S Geolgical Survey, Dayton North, Ohio quadrangle, photo revised 1981.



Burlington Environmental Inc.

SITE PLAN

ACUSTAR
DAYTON, OHIO
124565

FIGURE 2

continuously expanded since that time. Chrysler removed the former Maxwell Complex Building No. 3 in 1990 and replaced it with a new manufacturing building in 1991.

Light machining, plating, metal stamping, welding, soldering, degreasing, painting, plastic molding, and assembly have been conducted at the facility in the past, as well as maintenance of the processes, equipment, and structures. Some of the products produced at the facility in the past included furnaces, air conditioners, cars, aluminum and copper tube and fire products, gun parts, bomb shackles, and plastic moldings.

2.3 Current Operations

Currently, air conditioning parts and plastic moldings for internal components of Chrysler products are produced at the facility. The manufacturing operations currently conducted at this location consists of cold metal stamping, aluminum and copper tube forming, machining, degreasing, painting, soldering, plastic molding, and minor assembly and packaging of components. Internal maintenance facilities are also located on-site, along with small quality assurance/quality control (QA/QC) laboratories. Final products are shipped to assembly plants by motor vehicle where they are installed in new cars.

Drinking water for the facility is obtained from the local Dayton Water Authority. Domestic sewage is disposed of through the City of Dayton Sanitary Sewer System and the Dayton Waste Water Treatment Facility, a publicly owned treatment works (POTW). Noncontact cooling water and process water are withdrawn from one of two on-site wells. The water used in cooling processes at the facility is discharged to _____. Process waters and containment area waters are collected in various sumps and pumped to an on-site wastewater treatment system. At the on-

site wastewater treatment system oils, metals, and solids are removed prior to discharge to _____.

The facility is heated by natural gas space heaters or steam that is produced on site. The facility operates its own powerplant. Steam is generated from natural gas with fuel oil used as a backup fuel source. The power plant was switched from coal fired systems to a natural gas system in the mid to late sixties or early seventies.

Access to the property is controlled by a cyclone fence. The facility is currently operated 24-hours a day, Monday through Friday. Limited maintenance work is performed on weekends. A security service oversees the facility both through visual and electronic means.

Most of the exterior areas at the facility are paved with either concrete or blacktop except for an area north and east of building No. 47, which is gravel. Surface water runoff is collected from the plant yards by a series of storm drains and flows to the Greater Miami River via the Webster Street and the Herman Street City Storm Sewer Outfalls. Runoff water from the existing Building No. 3A, Building No. 53, and the loading and receiving docks also enter the storm drain system.

The northern section of the facility is used for employee parking and empty part container storage. The east central portions of the facility property contain the boilerhouse, emergency fuel backup tanks, a hazardous waste storage area, and empty drum storage areas. Other areas are under roof and are part of the manufacturing complex.

2.4 New Building Construction

Since 1980 Chrysler had used the Old Maxwell Complex primarily as a warehouse. A decision was made to demolish the antiquated Old Maxwell Complex, erected about 1907, and replace it with a new

modern manufacturing building. In October 1990, demolition of the Old Maxwell Complex began. Because of the structure's age and absence of accurate blueprints, some subsurface structures such as sewers were unexpectedly encountered. Air and soil monitoring were scheduled as part of the demolition process due to the potential of hazardous substances being encountered.

Lockwood, Jones and Beals, Inc. (LJB), of Kettering, Ohio, was the architectural firm in charge of construction of the new building. LJB initially contracted INTRON Laboratories (INTRON), of Kettering, Ohio, to conduct air monitoring for asbestos. INTRON was later asked to monitor the excavated soil during the demolition process for the presence of asbestos and volatile organic compounds (VOCs). INTRON subsequently retained Miami Geological Services, Inc., to collect soil samples at the demolition site and provide ongoing soil monitoring as additional soil was exposed.

As a result of the soil sampling and monitoring, Acustar became aware of potential environmental impacts in the area of the old Maxwell Complex. For example, localized chromium soil contamination was encountered during excavation. The impacted soil was excavated, analyzed, and disposed of appropriately.

Burlington Environmental Inc. (Burlington) was retained by Acustar in November 1990 to implement a comprehensive environmental testing and evaluation program for the area of new construction. Analytical results from soil samples collected in the area indicated the presence of low levels of total petroleum hydrocarbons (TPH), and selected VOCs (trichloroethene, 1,1,1-trichloroethane, tetrachloroethene, 1,1-dichloroethene, 1,1-dichloroethane, and total [cis- and trans-] 1,2-dichloroethene) in the new building's footprint.

During demolition of the Maxwell Complex, impacted soils from the excavation were stockpiled at the facility to be remediated onsite prior to offsite disposal. Four soil stockpiles were created in conjunction with remediation activities associated with

the soil excavated from the footprint of Building No. 59, beginning in March 1991. Remediation activities consisted of the following:

- construction of a stockpile of "clean" soil (clean pile) in the parking lot in the northeast portion of the property;
- construction of a vapor extraction bed (TPH bed) north of Building No. 47 to treat soil impacted predominantly with oily material (TPH pile);
- construction of a second vapor extraction bed (VOC bed) north of Building No. 47 to treat soil impacted predominantly with VOCs (VOC pile); and
- construction of a third vapor extraction bed southeast of the TPH bed to treat soil potentially impacted by numerous types of compounds (fourth pile).

The clean soil stockpile consists of approximately 7,100 cubic yards (yd^3) of soil containing no visible staining, less than 40 milligrams per kilogram (mg/kg) TPH, and less than 50 micrograms per kilogram ($\mu g/kg$) VOCs.

The VOC pile consists of approximately 2,800 yd^3 of soil containing the highest concentrations of VOCs (up to an approximate total of 10,000 $\mu g/kg$). Two blowers (Rotron Model 707) are connected by manifolds to the piping at the base of the bed.

The TPH pile consists of approximately 10,800 yd^3 of soil containing the highest concentrations of TPH (from 40 to 3,500 mg/kg) and visibly stained soil. Two blowers (Rotron Model 808) are connected by manifolds to the piping at the base of the bed.

The fourth pile consists of approximately 1,800 yd^3 of soil containing unknown concentrations of chemical compounds. There are currently no blowers connected to the bed.

The blowers on the vapor extraction beds have not been in operation for approximately eight months. In the period of time since the blowers were turned off, the polyethylene sheetings that covered each of the piles have been ripped and blown off, exposing the impacted soil for each of the stockpiles.

During excavation in the footprint of the new building, a small amount of oily material was observed seeping from the foundation of Building 40B. The material was sampled and analyzed. Analytical results indicated the oily substance to be _____. The potential source of the material was determined to be the freon degreasing operation located immediately west of the wall of Building 40B. Soil impacted by this oily material was excavated and subsequently incinerated. Confirmational testing was conducted to evaluate the extent of contaminated soils that required excavation.

2.5 Geologic and Hydrogeologic Setting

The geologic and hydrogeologic setting of the area consists of 2 to 4 feet of disturbed native soil (clay) underlain by very thick and continuous calcareous sand and gravel deposits. The highly permeable sands and gravel fill a preglacial valley eroded into the underlying bedrock. According to the Groundwater Resources map of Montgomery County (Schmidt, 1986), the Dayton facility overlies a portion of the Great Miami River aquifer that can potentially yield in excess of 1,000 gallons per minute of water to a properly constructed well. The Great Miami River aquifer is a designated sole source aquifer. The facility is not included in the city of Dayton's Well Field Protection Overlay District or One Year Capture Boundary. A literature review (Spieker, 1968 and Norris and Spieker, 1966) indicates regional groundwater flow in the vicinity of the plant is to the south with a gradient of about 5 to 10 feet per mile. However, due to the complex nature of the shallow hydrogeology of the area surrounding the facility and the unknown influences of the Mad River Depression and the Little Miami River, groundwater flow direction in the vicinity of the facility has not been determined to date. Groundwater levels in the area may fluctuate 5 to 15 feet per year, generally rising in the winter and

spring and falling in the summer and fall. The glacial outwash may be separated into several distinct hydrogeological units by thin (2 to 15 feet thick) layers or lenses of till (clay) in the immediate vicinity of the plant.

3 POTENTIAL ENVIRONMENTAL IMPACTS

Various activities performed at the facility and in the immediate surroundings of the facility may have had a potential impact on the environment. Some of the activities include spills and releases at sites near the plant, as well as releases from past and ongoing operations at the facility. These items will be reviewed in the near future, along with a more detailed review of historical investigations at the facility to determine if any potential impacts have occurred or are possible.

3.1 Potential Sources

Various potential contamination sources may impact the plant environs. These include both on-site and off-site sources that may be current or historical in nature. These potential sources are discussed in the following sections.

3.1.1 On-Site Sources

A number of potential on-site sources of possible environmental contamination were noted during the site visit. These potential sources included underground storage tanks, process units, hazardous waste generation/accumulation areas, process sumps, and past spills. On-site facilities or processes that would have the possibility of being areas of environmental concern have been identified on a series of figures.

Approximate locations of "known" former and existing storage tanks at the facility are shown in Figure 3. The storage tanks, their size, contents, and active status are indicated in Table 1. The water, propane, and plastic pellet storage vessels would not be expected to be potential source areas, while the fuel, degreaser,

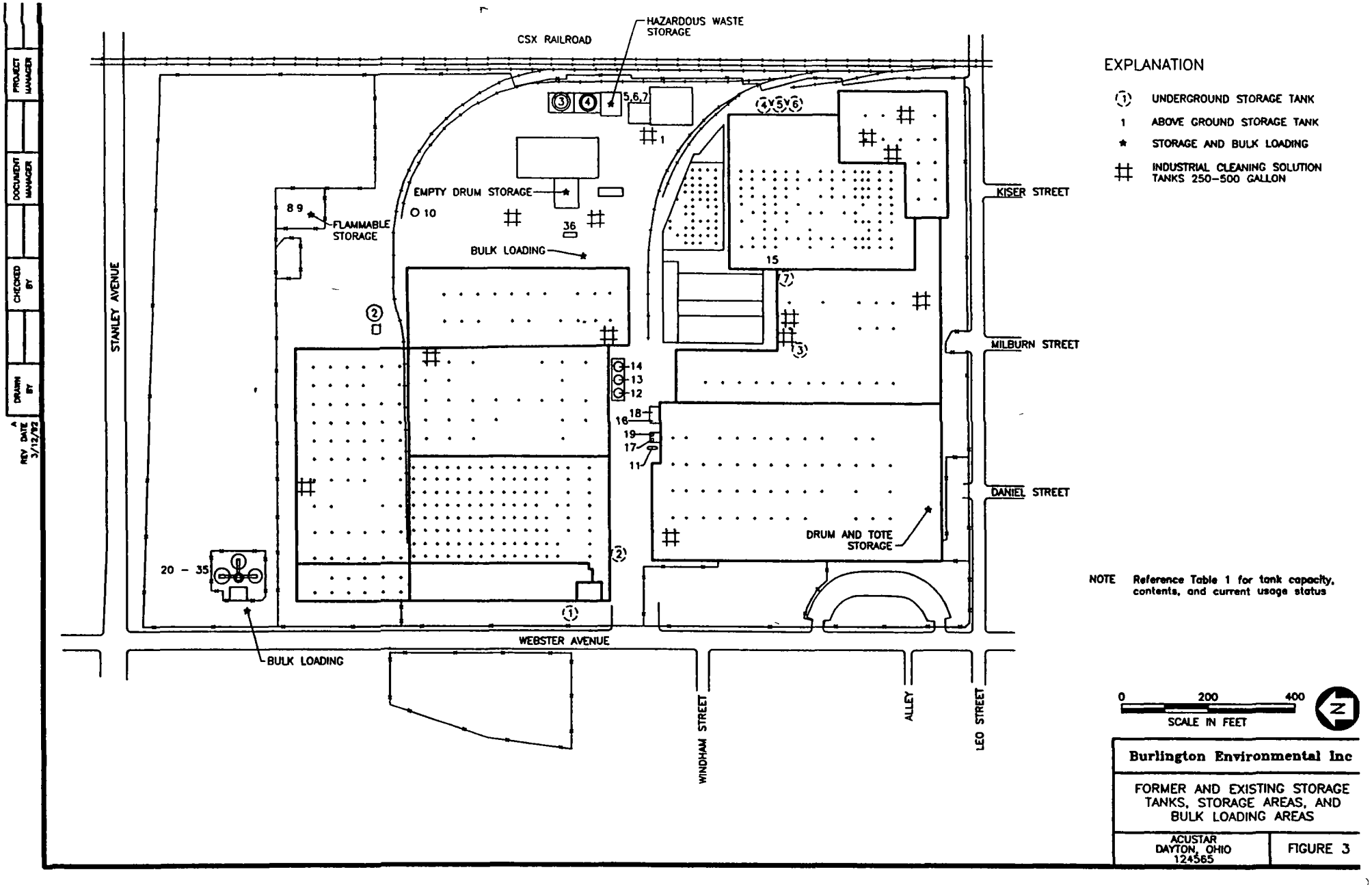

CSX RAILROAD
HAZARDOUS WASTE STORAGE
STANLEY AVENUE
KISER STREET
MILBURN STREET
DANIEL STREET
WEBSTER AVENUE
WINDHAM STREET
ALLEY
LEO STREET
EMPTY DRUM STORAGE
FLAMMABLE STORAGE
BULK LOADING
DRUM AND TOTE STORAGE
BULK LOADING
20 - 35
EXPLANATION
UNDERGROUND STORAGE TANK
ABOVE GROUND STORAGE TANK
STORAGE AND BULK LOADING
INDUSTRIAL CLEANING SOLUTION TANKS 250-500 GALLON
NOTE Reference Table 1 for tank capacity, contents, and current usage status
0 200 400
SCALE IN FEET
Burlington Environmental Inc
FORMER AND EXISTING STORAGE TANKS, STORAGE AREAS, AND BULK LOADING AREAS
ACUSTAR DAYTON, OHIO 124565
FIGURE 3
PROJECT MANAGER
DOCUMENT MANAGER
CHECKED BY
DRAWN BY
A REV DATE 3/12/92

Table 1

STORAGE TANK SUMMARY

ENVIRONMENTAL SITE ASSESSMENT
DAYTON THERMAL PRODUCTS DIVISION
DAYTON, OHIO

Tank ID Number	Storage Tank Contents	Tank Size) (gallons)	Status
U-1	Gasoline (unleaded)	5,000	Active
U-2	Gasoline (indolene)	550	Active
U-3	Gasoline	1,000	Inactive
U-4	Fuel Oil	500	Inactive
U-5	Fuel Oil	500	Inactive
U-6	Fuel Oil	500	Inactive
U-7	Unknown	Unknown	Inactive
A-1	Water	100,000	Inactive
A-2	Water	250,000	Active
A-3	Fuel Oil	125,000	Active
A-4	Fuel Oil	125,000	Active
A-5	Diesel Fuel	500	Active
A-6	Diesel Fuel	250	Active
A-7	Kerosene	250	Active
A-8	Propane	30,000	Inactive
A-9	Propane	30,000	Inactive
A-10	Plastic Silo	*193	Inactive
A-11	Freon	5,900	Active
A-12	1,1,1-Trichloroethane	5,200	Active
A-13	1,1,1-Trichloroethane	5,200	Active
A-14	1,1,1-Trichloroethane	5,200	Inactive
A-15	1,1,1-Trichloroethane	3,000	Inactive
A-16	1,1,1-Trichlor Degreaser Sludge	8,200	Inactive
A-17	Freon/Trichlor Degreaser Sludge	8,200	Active
A-18	Waste Oil	8,200	Inactive
A-19	Waste Oil	8,200	Active
A-20	Flotation Oil - WTP	10,000	Active
A-21	Oil Decant - WTP	57,000	Active
A-22	Sulfuric Acid - WTP	16,000	Inactive
A-23	Sulfuric Acid - WTP	6,000	Active
A-24	Lime Bin - WTP	*25	Active
A-25	Alum - WTP	6,000	Active
A-26	Sulfite - WTP	1,000	Active
A-27	Batch Tank - WTP	200,000	Active
A-28	Batch Tank - WTP	200,000	Active
A-29	Batch Tank - WTP	200,000	Active
A-30	Batch Tank - WTP	350,000	Active
A-31	Solids Clarifier - WTP	110,000	Active
A-33	Caustic - WTP	2,900	Active
A-34	Polymer - WTP	1,000	Active
A-35	Polymer - WTP	800	Active
A-36	Propane	30,000	Active

Note: See Figure 3 for tank locations.

A Aboveground storage tank.
U Underground storage tank.
WTP Water Treatment Plant.
* Tank size is in tons (contents are solid products).

and waste vessels may be potential source areas. Locations of hazardous waste generation/accumulation areas are shown in Figure 4. Descriptions and hazard codes for the wastes are provided in Table 2.

Process wastewater and waste oil sumps along with oil separators are shown in Figure 5. The majority of these sumps have been relined and coated to increased their integrity and prevent future discharge of materials. Therefore, these units will be considered only as potential former sources of contamination at this point. Process areas present another potential source of contamination. Although most of the process units were installed on concrete floors, the potential exists for escape to the environment through expansion joints and cracks. Contaminated materials and media uncovered during construction activities have indicated these units as possible past release sources. The process units and areas are shown on Figure 6. Descriptions of the process equipment shown in Figure 6 are provided in Table 3. Acustar has identified a majority of these potential sources and has begun a program of substitution to potentially less damaging process systems. A number of freon degreasers have been shut down and replaced with other process units. Other processes have substituted process chemicals to potentially less environmental damaging materials. This ongoing program will substantially reduce the potential for future releases from these units.

3.1.2 Potential Off-Site Sources

Burlington conducted a survey of USEPA and OEPA data bases (as of 1991). The survey was conducted using Zip Code areas. The survey was conducted for Zip Code area 45404, which includes the facility and Zip Code area 45414, which includes the adjacent area of Montgomery County. The survey was conducted to identify sites currently existing on the USEPA National Priority List, CERCLIS,

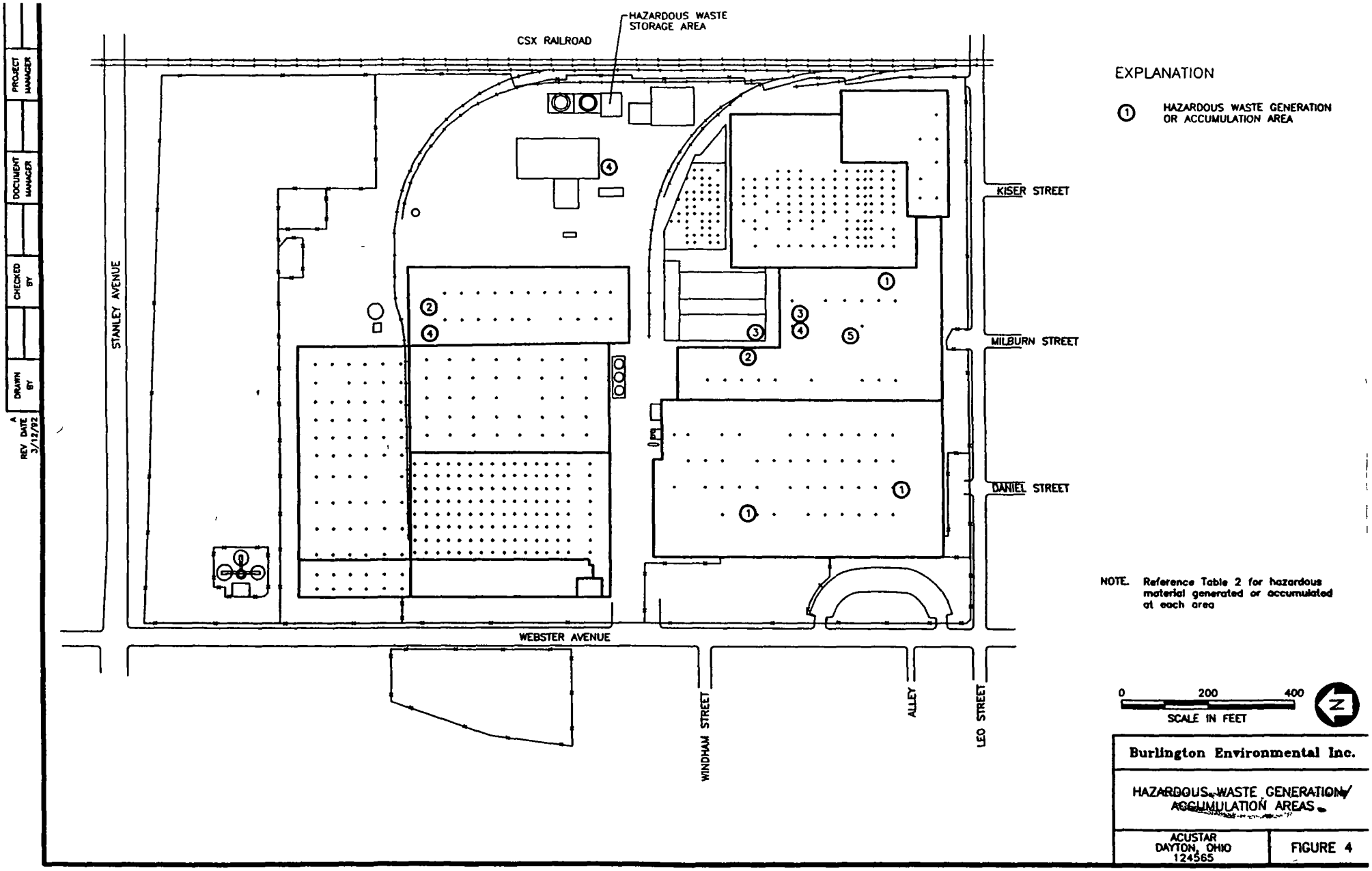

HAZARDOUS WASTE STORAGE AREA
CSX RAILROAD
STANLEY AVENUE
KISER STREET
MILBURN STREET
DANIEL STREET
WEBSTER AVENUE
WINDHAM STREET
ALLEY
LEO STREET
EXPLANATION
① HAZARDOUS WASTE GENERATION OR ACCUMULATION AREA
NOTE. Reference Table 2 for hazardous material generated or accumulated at each area
0 200 400
SCALE IN FEET
N
PROJECT MANAGER
DOCUMENT MANAGER
CHECKED BY
DRAWN BY
A
REV DATE 3/12/92
Burlington Environmental Inc.
HAZARDOUS WASTE GENERATION/ ACCUMULATION AREAS
ACUSTAR DAYTON, OHIO 124565
FIGURE 4

Table 2

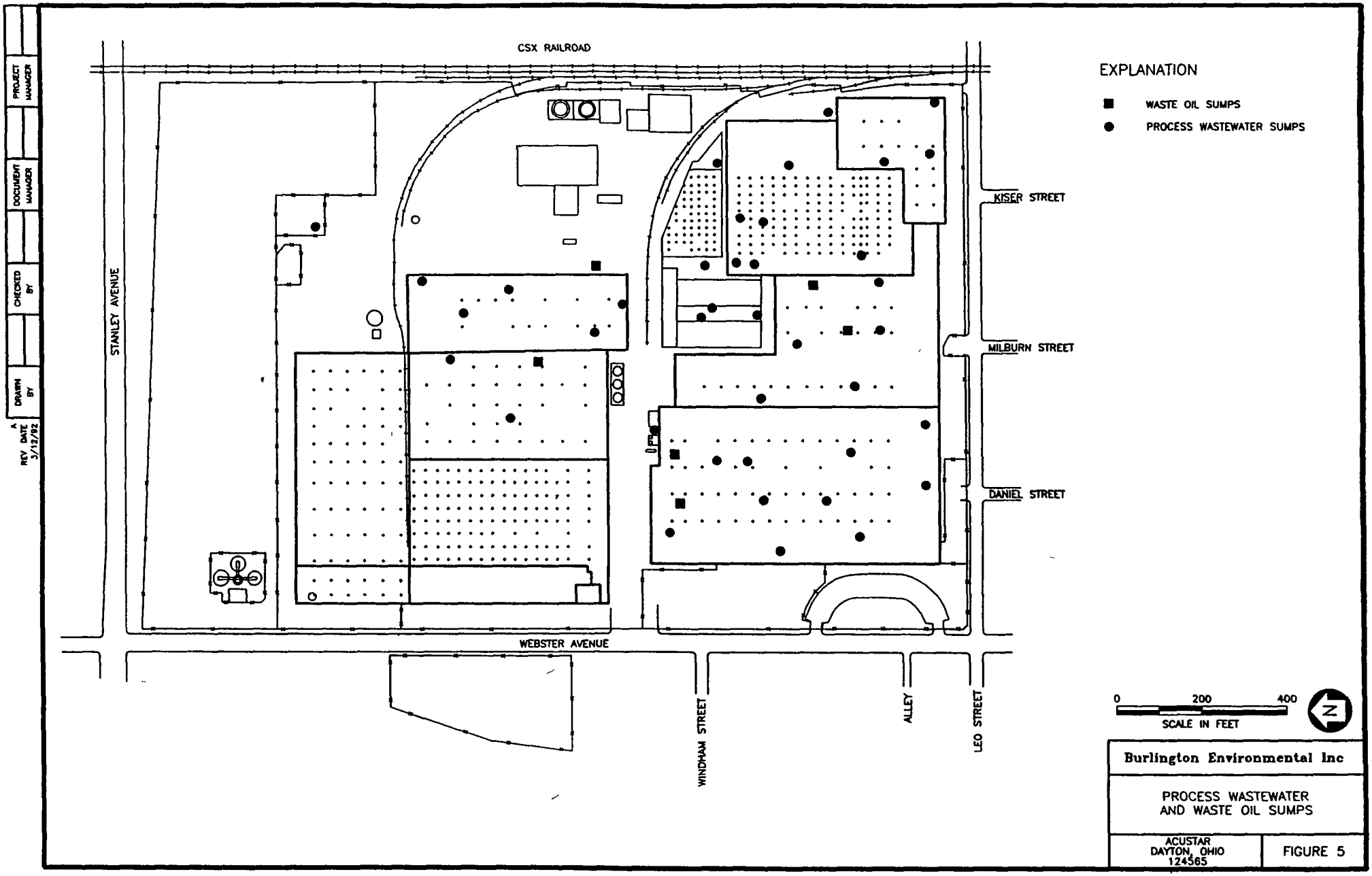
HAZARDOUS WASTE STREAM IDENTIFICATION

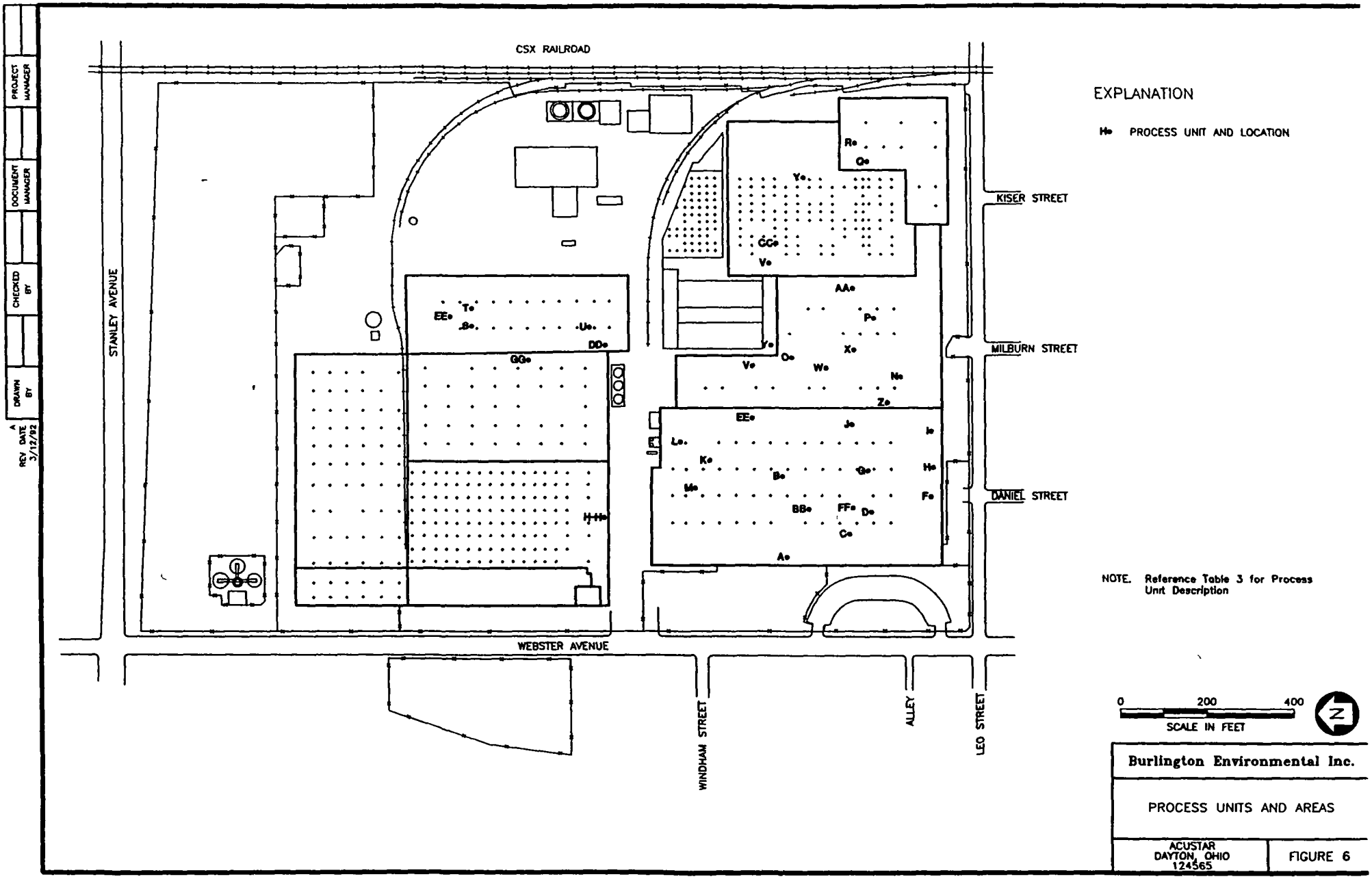
ENVIRONMENTAL SITE ASSESSMENT
DAYTON THERMAL PRODUCTS DIVISION
DAYTON, OHIO

Reference Code	Hazardous Description	EPA Hazard Waste Number	Code
1	Freon Degreaser Sludge	F001	T
2	1,1,1-Trichloroethane Degreaser Sludge	F002	T
3	Paint Waste with Isobutyl Alcohol	D001	I
4	Paint Waste	D007	E
5	Metal Sludge with Magnesium	D003	R

Note: See Figure 4 for locations of hazardous waste streams.

E EP Toxic.
I Ignitable.
T Toxic.
R Reactive.


CSX RAILROAD
STANLEY AVENUE
KISER STREET
MILBURN STREET
DANIEL STREET
WEBSTER AVENUE
WINDHAM STREET
ALLEY
LEO STREET
EXPLANATION
WASTE OIL SUMPS
PROCESS WASTEWATER SUMPS
0
200
400
SCALE IN FEET
N
PROJECT MANAGER
DOCUMENT MANAGER
CHECKED BY
DRAWN BY
A
REV DATE 3/12/92
Burlington Environmental Inc
PROCESS WASTEWATER AND WASTE OIL SUMPS
ACUSTAR DAYTON, OHIO 124565
FIGURE 5



Burlington Environmental Inc.

PROCESS UNITS AND AREAS

ACUSTAR
DAYTON, OHIO
124565

FIGURE 6

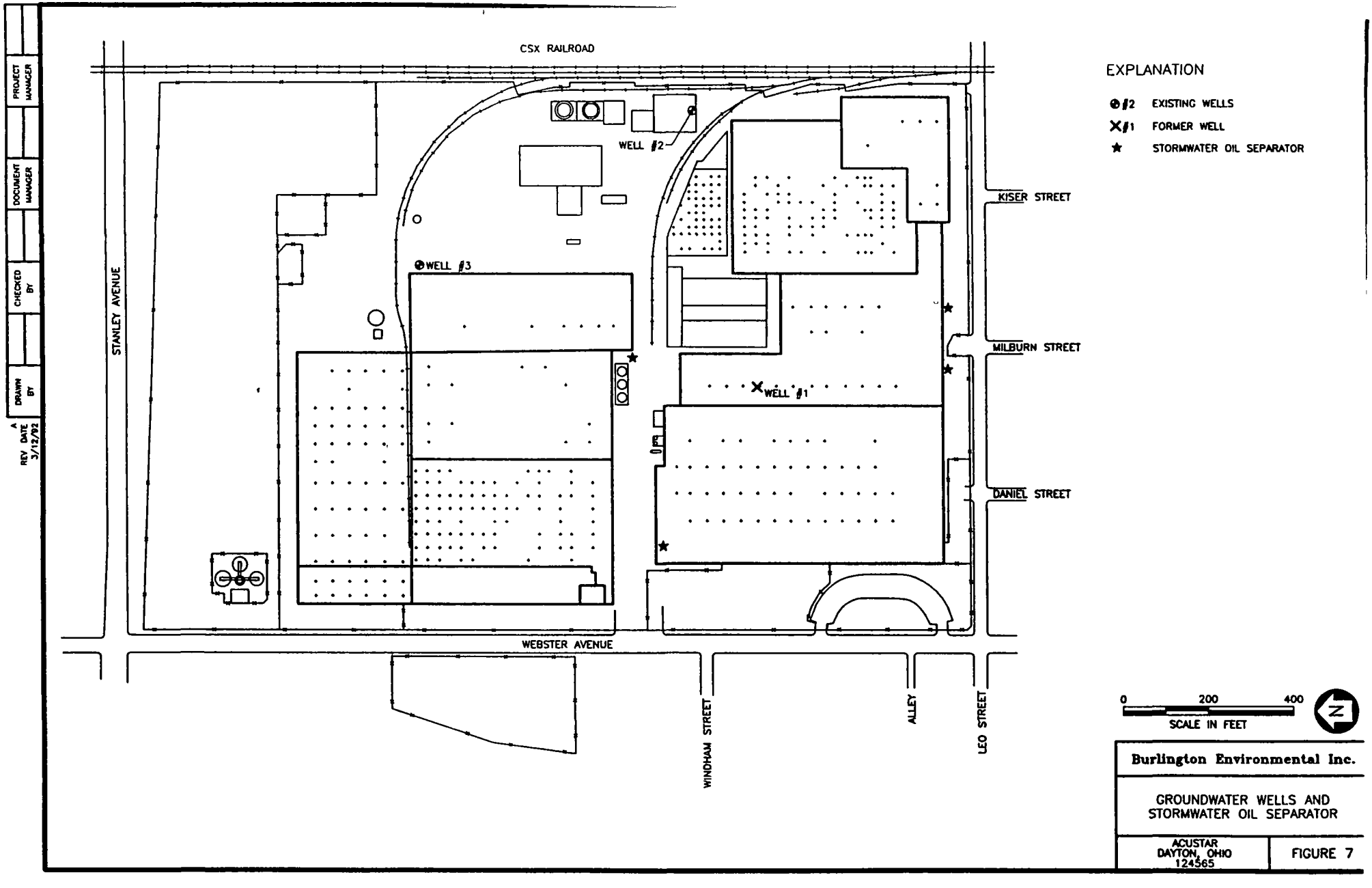

CSX RAILROAD
STANLEY AVENUE
KISER STREET
MILBURN STREET
DANIEL STREET
WEBSTER AVENUE
WINDHAM STREET
ALLEY
LEO STREET
WELL #2
WELL #3
WELL #1
EXPLANATION
#2 EXISTING WELLS
#1 FORMER WELL
STORMWATER OIL SEPARATOR
0
200
400
SCALE IN FEET
N
PROJECT MANAGER
DOCUMENT MANAGER
CHECKED BY
DRAWN BY
A
REV DATE 3/12/92
Burlington Environmental Inc.
GROUNDWATER WELLS AND STORMWATER OIL SEPARATOR
ACUSTAR
DAYTON, OHIO
124565
FIGURE 7

Table 3

PROCESS EQUIPMENT DESCRIPTION

ENVIRONMENTAL SITE ASSESSMENT
DAYTON THERMAL PRODUCTS DIVISION
DAYTON, OHIO

A.	First Impregnation, Loctite System
B.	Shaft Assembly, Washer Dept 9295
C.	West Coolant Pit
D.	Cargill Washer
E.	Piston Washer
F.	South Shell Washer
G.	East Coolant Pit
H.	South Coolant Pit
I.	Second Impregnation, Loctite System
J.	North Coolant Pit
K.	Shaft Washer, Dept. 9290
L.	Clutch Retainer Washer
M.	Steel Machining Coolant Pit
N.	Phosphating Washer
O.	Cleaner Tanks, Dept. 9221
P.	Paint Booth
Q.	Paint Booth
R.	New Washer
S.	Washer Tanks, Dept. 9227
T.	Cleaner Tanks, Dept. 9227
U.	Flush Washer System
V.	Manpro Degreaser
W.	Plate/Fin Evaporator Degreaser
X.	Parts Degreaser (Removed in 1982)
Y.	Plating Operation - Zinc Chromate
Z.	Swashplate Heat Treatment Machine
AA.	New Detrix Degreaser
BB.	Compressor Parts Degreaser (Removed in 1976)
CC.	Dip Tank (Removed in 1984)
DD.	Degreaser (Removed in 1981)
EE.	Detrex Degreaser (Removed in 1991)
FF.	Freon Degreaser
GG.	Xylol-based Paint Booth (Removed in 1981)
HH.	Vapor Degreaser

FINDS, RCRA Listings, etc. Identified sites are listed in Appendix A. Their locations are plotted on Plate 1.

Below is a brief summary of the records review:

- no sites were listed on the National Priorities (Superfund) List (NPL) (This data base lists sites known to be uncontrolled or abandoned waste sites identified for priority remedial actions under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980 Program.);
- 145 sites were listed on the Facility Index System (FINDS) (This is a listing of any property or site that the USEPA has investigated, reviewed, or been made aware of in connection with any of its regulatory programs.);
- eight sites were listed on the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List (This is a compilation by the USEPA of sites that it has investigated or is currently investigating a release or threatened release of hazardous substances pursuant to CERCLA.);
- 141 sites were listed with the RCRA Program. (This program identifies and tracks hazardous waste from the point of generation to the point of disposal. This data base is a compilation by the USEPA of reporting facilities that generate, store, transport, treat, or dispose of hazardous waste.);
- one site was present in the OPEN DUMP inventory of facilities that do not comply with the USEPA's criteria for classification of Solid Waste Disposal Facilities and Practices; and,
- eight sites were present in the Emergency Response Notification System (ERNS) (This is a national data base used to collect information on reported releases of oil and hazardous substances. The data base contains information from spill reports made to federal agencies including the USEPA, the U.S. Coast Guard, the National Response Center, and the Department of Transportation.).

The facility is not included in the printout of FINDS and Resource Conservation and Recovery Act (RCRA) sites.

The record survey indicates that there are approximately 72 facilities within a one-mile radius of the facility that either generate hazardous wastes, are connected with various regulatory programs, or are currently undergoing some type of response by a regulatory agency. Groundwater and soil remediation for VOCs is currently being undertaken at DAP Corporation on Janney Road and at Gem City Chemical Company on Air City Avenue which borders the plant.

3.2 Previous Studies and Data

Some data exists on various studies conducted at the site and from monitoring data of the facility wells. This information is summarized in the following sections.

3.2.1 Well Information

Currently there are two groundwater wells (Wells No. 2 and 3) located on site at this facility. Well No. 2 is located within the boiler house near the eastern property boundary of the facility. Well No. 3 is located just east of Building 50. Additionally, an abandoned well (Well No. 1) is located within Building 40A. The well locations are shown in Figure 7.

Geologic logs and well completion information is not available for the wells.

Groundwater samples were collected and analyzed for these wells on several occasions between November 1989 and July 1990. The samples were analyzed for volatile organic compounds (VOCs) and metals. Copies of the analytical results are in Appendix B.

3.2.2 Soil-Gas Survey

Burlington developed a soil-gas sampling plan to evaluate the area within building 40B. Subsequently, the investigation was expanded to include the area of the footprint of the new building and a site-wide reconnaissance evaluation. The purpose of this investigation was to identify and characterize areas potentially impacted by chlorinated solvents.

Burlington conducted the soil-gas and groundwater headspace gas investigation at the facility during April 2 through 21, 1991. One hundred sixty-seven soil-gas samples, 28 groundwater headspace samples, and 17 duplicate samples (nine soil-gas and eight groundwater headspace) were collected and analyzed using Burlington's RECON℠ System soil-gas van and equipment. In addition, 23 groundwater samples were collected using the RECON System. These samples were submitted for VOC analysis using USEPA's SW-846 Method 8240.

The following is a summary of conclusions based on the data presented in a report describing the investigation performed in April 1991:

- chlorinated solvents have been released;
- chlorinated solvents had been found in sediments under the cement floor in Buildings 40A and 40B in the following areas:
  - bay K-8;
  - bays K-3, K-4, and K-5 (current location of the freon degreasing operation);
  - bays H-12 (present location of the 1,1,1-trichloroethane degreasing operation) and G-12;
  - bay G-8;
  - the central portion of Building 40B in bays J-4, J-6, I-4, I-5, and I-6;
- several other areas were identified that contain concentrations of chlorinated VOCs in the groundwater:

- the southwestern portion of Building 59;
- Building 40A and Building 40B;
- the area south of Building 53 (adjacent the 1,1,1-trichloroethane tanks); and
- the storage area east of Building 50.

A more detailed description of the results is provided in the report prepared by Burlington titled "RECON℠ Investigation - Dayton Thermal Products Division", dated June 28, 1991.

4 CONCLUSIONS

Based on the findings discussed in this report and the results of previous investigations performed at the facility, the following conclusions can be made.

- Soil and potentially groundwater at the facility have been impacted by various contaminants.
- Several potential offsite sources of contamination have been identified.
- Several potential onsite sources, both past and current, have been identified at the facility.
- Acustar is in the process of successfully reducing the amount of waste generated at the facility.
- Acustar is implementing the use of environmentally-safe chemical materials in place of hazardous chemicals for process systems at the facility.
- Acustar is acting voluntarily to investigate and remediate environmental impacts resulting from past and current plantsite operations.

5 RECOMMENDATIONS

Based on the findings discussed in this report, Burlington recommends the following tasks be performed to further identify potential sources of contamination at the facility.

- A file search should be performed at the OEPA's Southwest District Office in Dayton, Ohio, to obtain records of any investigation and remediation activities performed near the facility. Burlington has already submitted a request to the OEPA Southwest District Office to review specific reports on several facilities located in the vicinity of the facility.

- A series of detailed figures based on the results of the site visit and the information received from the OEPA should be prepared. The figures will illustrate the locations of potential sources of ~~hazardous wastes~~ that have been identified, both onsite and offsite.

- An interim progress meeting should be held at the facility to discuss the findings of this report. Comments and possible revisions to this report can be discussed during this meeting.

- Upon reviewing the appropriate documents and meeting with Acustar to discuss relevant findings and conclusions, Acustar and Burlington should develop recommendations for continuing the environmental program at the facility. A structured approach should be outlined, including a discussion of alternatives or options that may be available to Acustar.

REFERENCES

Norris, Stanley E. and Spieker, Andrew M. 1966. Ground-Water Resources of the Dayton Area, Ohio. United States Geological Survey Water Supply Paper 1808.

Schmidt, James J. 1986. Ground-Water Resources of Montgomery County. Ohio Department of Natural Resources Map. Scale 1:62,500.

Spieker, Andrew M. 1968. Ground-Water Hydrogeology and Geology of the Lower Great Miami River Valley Ohio. United States Geological Survey Professional Paper 605-A.

APPENDIX A

Environmental Audit Database Review for Zip Code Areas 45404 and 45414, Dayton, Ohio

THE FED REPORT

REPORT PROPERTY ADDRESS:

DAYTON
1600 WEBSTER STREET
DAYTON, OH 45404
County: MONTGOMERY

NOTE: The entries in this Appendix are numbered as they appear on Plate 1.

THE FED REPORT

I. SUMMARY

This Report is a compilation of federal environmental data which identifies environmental problem sites and activities from the records of the United States Environmental Protection Agency (US EPA). The data contained in this Report is the result of a search by EAI's Environmental Data Systems of the following US EPA records:

1. National Priorities List (NPL)
2. Facility Index System (FINDS)
3. Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
4. Resource Conservation and Recovery Act (RCRA) Notification System
5. Solid Waste Facilities Not In Compliance with RCRA Subtitle D Criteria (OPEN DUMP SITES)
6. Emergency Response Notification System (ERNS)

A search of these databases identified: 0 NPL sites, 145 FINDS sites, 8 CERCLIS sites, 141 RCRA facilities, 1 OPEN DUMP Sites, and 8 ERNS sites.

The records of each of the foregoing sites and operators are contained in Section II of this report. The listed Sites are located within the zip code area or city stated at the beginning of each report sub-section. Section III contains 1 misidentified records of sites which appear to be located on or near the subject property.

NPL DATABASE

II. REGULATORY INFORMATION
1. US EPA NPL DATABASE

DAYTON
1600 WEBSTER STREET
DAYTON, OH 45404
County: MONTGOMERY

The National Priorities (Superfund) List (NPL) is EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program. A site, to be included on the NPL, must either meet or surpass a predetermined hazard ranking systems score, or be chosen as a state's top-priority site, or meet all three of the following criteria: (1) the US Department of Health and Human Services issues a health advisory recommending that people be removed from the site to avoid exposure; (2) EPA determines that the site represents a significant threat; and (3) EPA determines that remedial action is more cost-effective than removal action.

A search of the 1991 National Priorities List revealed the following Superfund sites located within the stated zip code areas:
45404, 45414

0 Sites found for the area specified.

FINDS DATABASE

II. REGULATORY INFORMATION
2. US EPA FINDS DATABASE
DAYTON
1600 WEBSTER STREET
DAYTON, OH 45404
County: MONTGOMERY

The Facility Index System (FINDS) is a compilation of any property or site which the EPA has investigated, reviewed or been made aware of in connection with its various regulatory programs. Each record indicates the EPA Program Office that may have files on the site or facility.

A search of the 1991 FINDS Database revealed the following sites located within the stated zip code areas:
45404, 45414

FINDS Sites

65. FACILITY ADDRESS — EPA ID#

ENVIRONMENTAL PROCESSING SERVI — OHD000608588
416 LEO STREET
DAYTON, OH 45404
Region: 05
Latitude: 394655 Longitude: 0841127
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000608588
Superfund - Hazardous Waste-Superfund
Program ID # : OHD000608588

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66. SHELL OIL CO DAYTON PLT — OHD000609156
801 BRANDT PIKE
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000609156
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000140
Office of Enforcement and Compliance Monitoring (DOCKET)
Program ID # : 05-79-0067

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67. SUNOCO SERVICE STATION — OHD000671818
1448 TROY ST
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000

FACILITY ADDRESS — EPA ID#

SUNOCO SERVICE STATION (CONT'D)

EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000671818

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68. SUNOCO SERVICE STATION — OHD000682823
201 VALLEY ST
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000682823

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69. SUNOCO SERVICE STATION — OHD000682963
7186 MILLER LANE
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000682963

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70. OHIO BELL TEL CO SUPPLY WAREHO — OHD000720417
2024 VALLEY ST
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000720417

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71. SCOTT EDWIN D BROKER — OHD000721027
1820 VALLEY STREET
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000721027

FINDS Sites

FACILITY ADDRESS	EPA ID#

72. BENDER AND LOUDON MOTOR FREIGH — OHD000772822
1795 STANLEY AVE BLDG 7
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000772822

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73. GMC DELCO PRODUCTS DIV DAYTON — OHD000817585
1619 KUNTZ ROAD
DAYTON, OH 45404
Region: 05
Latitude: 394726 Longitude: 0841023
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000817585
Permit Compliance System, Office of Water Enforcement and Permits
Program ID # : S114 AD
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000147

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74. SUNMARK PETROLEUM MARKETING TE — OHD001722263
1708 FARR DR
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD001722263
Office of Enforcement and Compliance Monitoring (DOCKET)
Program ID # : 05-00-0399

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75. DAYTON ELECTRONIC PRODUCTS — OHD004241220
117 E HELENA ST
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004241220

FINDS Sites

FACILITY ADDRESS — EPA ID#

76. DURIRON CO INC THE FOUNDRY & P — OHD004241550
425 N FINDLAY ST
DAYTON, OH 45404
Region: 05
Latitude: 394604 Longitude: 0840903
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004241550
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000112

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77. AMCA INTERNATIONAL CORP — OHD004243648
1752 STANLEY AVE
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004243648

o

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78. AMERICAN LUBRICANTS CO — OHD004244547
1227 DEEDS AVE
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004244547
Pesticides and TSCA Enforcement System, Office of Pesticides and Toxic Substances
Program ID # : 050710H01
Chemicals in Commerce Information System, Office of Toxic Substances
Program ID # : OH0002723

---

79. W & W MOLDED PLASTICS INC — OHD004245098
1441 MILBURN AVENUE
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004245098

FINDS Sites

FACILITY ADDRESS	EPA ID#

80. ELECTRO-POLISH CO INC — OHD004264198
332 VERMONT AVE
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004264198

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81. PAINT AMERICA CO — OHD004275772
1501 WEBSTER ST
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004275772

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82. KIMES ROBERT H INC — OHD004277240
2030 WEBSTER ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004277240

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83. ESTEE MOLD & DIE INC — OHD004277679
1467 STANLEY AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004277679

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84. GAYSTON CORPORATION — OHD004278156
55 JANNEY ROAD
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004278156

FACILITY ADDRESS — EPA ID#

85. HOHMAN PLATING & MFG CO — OHD004278362
814 HILLROSE AVE
DAYTON, OH 45404
Region: 05
Latitude: 394700 Longitude: 0841036
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004278362
Compliance Data System, Office of Air and Radiation
Program ID # : 0857040217

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86. HOLLANDER INDUSTRIES CORP — OHD004278438
219 KELLY AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004278438

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87. NEFF FOLDING BOX CO — OHD004278446
2001 KUNTZ RD
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004278446

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88. DAYTON RUST PROOF COMPANY — OHD004278628
1030 VALLEY ST
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004278628

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89. BRINKMAN TOOL & DIE INC — OHD004279659
325 KISER ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004279659

FACILITY ADDRESS — EPA ID#

90. AGA GAS INC — OHD004279774
1223 MC COOK AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s).
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004279774

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91. GEM CITY CHEMICALS INC — OHD004472940
1287 AIR CITY AVE
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004472940
Pesticides and TSCA Enforcement System, Office of Pesticides and Toxic Substances
Program ID # : 072960H01

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92. ARAB TERMITE & PEST CONTROL IN — OHD017944711
801 LEO ST
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Pesticides and TSCA Enforcement System, Office of Pesticides and Toxic Substances
Program ID # : 091700H01

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93. PAULS GARAGE INC — OHD041060385
2941 VALLEY ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD041060385

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94. LABINAL COMPONENTS GLOBE MOTOR — OHD041066325
1784 STANLEY AVE
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):

FACILITY ADDRESS — EPA ID#

LABINAL COMPONENTS GLOBE MOTOR (CONT'D)

Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD041066325

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95. DAYTON CASTING COMPANY — OHD056488786
300 KISSER STREET (KISER STREET)
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000104

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96. DUFF TRUCK LINE INC — OHD060913597
1744 STANLEY AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD060913597

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97. BRAINERD MFG CO INDUSTRIES DIV — OHD068953645
1723 WEBSTER
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD068953645

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98. ROBERTS CONSOLIDATED INDUSTRIE — OHD071288039
220 JANNEY RD
DAYTON, OH 45404
Region: 05
Latitude: 394723 Longitude: 0841040
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD071288039

	FACILITY ADDRESS	EPA ID#
99.	LESTON CORPORATION 2017 VALLEY STREET DAYTON, OH 45404 Region: 05 Latitude: 394730 Longitude: 0841000 EPA Responsible Office(s): Hazardous Waste Data Management System, Office of Solid Waste(RCRA) Program ID # : OHD072864390	OHD072864390
100.	ANGELL MANUFACTURING CO INC 1516-20 STANLEY AVE DAYTON, OH 45404 Region: 05 Latitude: 394730 Longitude: 0841000 EPA Responsible Office(s): Hazardous Waste Data Management System, Office of Solid Waste(RCRA) Program ID # : OHD072873664	OHD072873664
101.	ARATEX SERVICES INC 1200 WEBSTER ST DAYTON, OH 45404 Region: 05 EPA Responsible Office(s): Hazardous Waste Data Management System, Office of Solid Waste(RCRA) Program ID # : OHD072876279	OHD072876279
102.	ORBIT MOVERS 969 DEEDS AVE DAYTON, OH 45404 Region: 05 Latitude: 394730 Longitude: 0841000	OHD074690769
103.	COASTAL TANK LINES INC 2160 JERGENS RD DAYTON, OH 45404 Region: 05 Latitude: 394730 Longitude: 0841000 EPA Responsible Office(s): Hazardous Waste Data Management System, Office of Solid Waste(RCRA) Program ID # : OHD083371591	OHD083371591

FINDS Sites

FACILITY ADDRESS — EPA ID#

104. ADVANCED ASSEMBLY AUTOMATION — OHD084755206
314 LEO ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD084755206

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105. DIAL MACHINE SERVICE CO INC — OHD093906055
131 KISER ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD093906055

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106. SOHIO DAYTON TERMINAL 620 — OHD095194684
621 BRANDT PIKE
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD095194684
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000141
Office of Enforcement and Compliance Monitoring (DOCKET)
Program ID # : 05-79-0022

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107. GEM CITY SPECIAL MACHINE BUILD — OHD095201513
1425 N KEOWEE ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD095201513

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108. SPECIALTY SHEET METAL INC — OHD097918395
821 HALL AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD097918395

FACILITY ADDRESS — EPA ID#

109. GEM CITY STAMPING INC — OHD097922520
1546 STANLEY AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD097922520

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110. AMCAST INDUSTRIAL CORP GHR DIV — OHD099020133
400 DETRICKS ST
DAYTON, OH 45404
Region: 05
Latitude: 384630 Longitude: 0841025
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD099020133
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000019
Office of Enforcement and Compliance Monitoring (DOCKET)
Program ID # : 05-00-0246

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111. DAYTON PARTS CO NAPA — OHD103556080
221 LEO ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD103556080

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112. PENSKE TRUCK LEASING CO — OHD107623761
1922 LINDORPH DR
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD107623761

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113. PEPSI-COLA OF DAYTON — OHD123387748
526 MILBURN AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD123387748

FACILITY ADDRESS	EPA ID#

114. LANDMARK INC — OHD980280101
1800 TROY ST
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Office of Enforcement and Compliance Monitoring (DOCKET)
Program ID # : 05-00-0303

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115. DAYTON TERMINAL — OHD980486633
1700 FARR DR
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Pesticides and TSCA Enforcement System, Office of Pesticides and Toxic Substances
Program ID # : 008620H01

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* SENECA CHIEF INC — OHD980611826
403 HOWARD
FINLEY, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Superfund - Hazardous Waste-Superfund
Program ID # : OHD980611826

* Facility does not appear to be within the area of interest.

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117. NORTH SAN LDFL INC — OHD980611875
200 E VALLEYCREST DR
DAYTON, OH 45404
Region: 05
Latitude: 394718 Longitude: 0840905
EPA Responsible Office(s):
Superfund - Hazardous Waste-Superfund
Program ID # : OHD980611875

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118. AGA BURDOX INC ACETALINE PLT — OHD980793715
1727 FARR DR
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Chemicals in Commerce Information System, Office of Toxic Substances

FACILITY ADDRESS — EPA ID#

AGA BURDOX INC ACETALINE PLT (CONT'D)

Program ID # · OH0047425

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119. DAYTON CITY OF — OHD981796964
520 KISER ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD981796964

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120. TAIT INC — OHD981955776
500 WEBSTER ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD981955776

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121. ORBIT MOVERS — OHD982606220
1101 NEGGLEY PLACE AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD982606220
* The street address provided appears to be outside the zip codes of interest.

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122. PENSKE TRUCK LEASING CO LP — OHD982611592
1601 STANLEY AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD982611592

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123. DAYTON PWR & LIGHT N DAYTON — OHD982617003
1317 TROY ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)

FACILITY ADDRESS — EPA ID#

DAYTON PWR & LIGHT N DAYTON (CONT'D)

Program ID # : OHD982617003
Office of Toxic Substances (PADS)
Program ID # : OHD982617003

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* DAYTON WIRE CO — OHD982619959
7 DAYTON WIRE PKWY
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD982619959
* Not able to locate facility using available information.

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125. SELLS MIKE — OHD986966489
33 LEO ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Superfund - Hazardous Waste-Superfund
Program ID # : OHD986966489

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126. DAYTON TRANE — OHD986967966
1441 STANLEY AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986967966

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127. PRECISION METAL FABRICATION — OHD986968865
191 HEID AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986968865

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128. COLUMBIA GAS TRANS-AVONDALE — OHD986975712
WANETA AVE S OF HALDEMAN AVE
DAYTON, OH 45404
Region: 05

FACILITY ADDRESS EPA ID#

COLUMBIA GAS TRANS-AVONDALE (CONT'D)

EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # · OHD986975712

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129. GLOBE MOTORS DIV OF LCS INC OHD986979136
1944 TROY ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986979136

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130. GLOBE MOTORS DIV OF LCS INC OHD986979144
2275 STANLEY AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986979144

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131. UNO VEN COMPANY OHT400010740
1796 FARR DR
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHT400010740
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000111
Office of Enforcement and Compliance Monitoring (DOCKET)
Program ID # : 05-79-0014
Permit Compliance System, Office of Water Enforcement and Permits

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132. CCC HIGHWAY INC OHT400011193
1464 KUNTZ ROAD
DAYTON, OH 45404
Region: 05
Latitude: 394730 Longitude: 0841000
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHT400011193

FINDS Sites

FACILITY ADDRESS	EPA ID#

133. DAYTON MACHINE TOOL CO — OHD004277802
1314 WEBSTER ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004277802

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134. DAYTON CLUTCH AND JOINT INC — OHD007862485
2005 TROY ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # . OHD007862485

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135. WISE GARAGE INC — OHD007868748
1845 TROY ST
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD007868748

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136. SHEFFIELD MACHINE TOOL CO — OHD012183539
1506 MILBURN AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD012183539

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137. NILO CO — OHD054439781
115 VALLEYCREST DR
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD054439781

FINDS Sites

	FACILITY ADDRESS	EPA ID#
138.	DJINNII INDUSTRIES 302 VERMONT AVE DAYTON, OH 45404 Region: 05 EPA Responsible Office(s): Hazardous Waste Data Management System, Office of Solid Waste(RCRA) Program ID # : OHD061709127	OHD061709127
139.	CHILDRENS MEDICAL CTR 1 CHILDRENS PLAZA DAYTON, OH 45404 Region: 05 EPA Responsible Office(s): Hazardous Waste Data Management System, Office of Solid Waste(RCRA) Program ID # : OHD071289326	OHD071289326
140.	ENTEC CORP 239 E HELENA ST DAYTON, OH 45404 Region: 05 EPA Responsible Office(s): Hazardous Waste Data Management System, Office of Solid Waste(RCRA) Program ID # : OHD161890967	OHD161890967
*	APS MATERIALS INC 153 WALBROOK AVE DAYTON, OH 45404 Region: 05 EPA Responsible Office(s): Hazardous Waste Data Management System, Office of Solid Waste(RCRA) Program ID # : OHD982066300 * Facility does not appear to be within the area of interest.	OHD982066300
142.	DIGITRON DAYTON 500 WEBSTER ST DAYTON, OH 45404 Region: 05 EPA Responsible Office(s): Hazardous Waste Data Management System, Office of Solid Waste(RCRA) Program ID # : OHD982643793	OHD982643793

FINDS Sites

FACILITY ADDRESS	EPA ID#

143. AIR CITY MODELS AND TOOLS INC — OHD986972123
80 COMMERCE PARK DR
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986972123

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144. WATKINS MOTOR LINES INC — OHD986979979
1799 STANLEY AVE
DAYTON, OH 45404
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986979979

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9. SUNOCO SERVICE STATION — OHD000671719
2001 NEEDMORE RD
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000671719

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10. MEAD IMAGE CENTER — OHD000809947
3908 IMAGE DRIVE
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD000809947

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11. RIECK MECHANICAL SERVICES INC — OHD003861168
5245 WADSWORTH RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD003861168

FINDS Sites

FACILITY ADDRESS	EPA ID#

1. HARRIS GRAPHICS CORP BUS FORMS — OHD004202917
4900 WEBSTER ST
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004202917

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124. B-N PLATING — OHD004243457
613 DANIEL ST
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004243457

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2. TECH DEVELOPMENT INC — OHD004244851
6800 POE AVE
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004244851
Pesticides and TSCA Enforcement System, Office of Pesticides and Toxic Substances
Program ID # : OHD004244851
Permit Compliance System, Office of Water Enforcement and Permits
Compliance Data System, Office of Air and Radiation

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3. CHEMINEER INC — OHD004262465
5870 POE AVE
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004262465

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4. S & G PLATERS INC — OHD004272035
2640 KEENAN AVE
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):

FACILITY ADDRESS — EPA ID#

S & G PLATERS INC (CONT'D)

Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004272035

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12. SCHRIBER INDUSTIRES — OHD004273181
4620 WEBSTER ST
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Compliance Data System, Office of Air and Radiation
Program ID # : 36450080001

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13. OMEGA TOOL & DIE CO — OHD004277398
6192 N WEBSTER ST
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004277398

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14. AMERICAN CARCO CORP — OHD004277687
2800 ONTARIO AVE
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004277687

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15. YODER INDUSTRIES INC — OHD004277901
2520 NEEDMORE RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004277901

FINDS Sites

FACILITY ADDRESS	EPA ID#

PROTECTIVE TREATMENTS INC (CONT'D)

5. PROTECTIVE TREATMENTS INC — OHD004279204
3345 STOP EIGHT ROAD
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004279204
Compliance Data System, Office of Air and Radiation
Program ID # : 36450880096

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6. INDUSTRIAL ELECTRIC MOTORS INC — OHD004474524
5131 WEBSTER ST
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004474524

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16. INDUSTRIAL WASTE DISPOSAL CO — OHD004774345
3975 WAGONER FORD RD
DAYTON, OH 45414
Region: 05
Latitude: 394854 Longitude: 0841012
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004774345
Superfund - Hazardous Waste-Superfund
Program ID # : OHD004774345

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7. MUSICKS BODY SHOP INC — OHD041598046
3055 STOP EIGHT RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD041598046

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8. ERNST ENTERPRISES INC — OHD044497691
3361 SUCCESSFUL WAY
DAYTON, OH 45414
Region: 05

FACILITY ADDRESS | EPA ID#

ERNST ENTERPRISES INC (CONT'D)

EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD044497691
Compliance Data System, Office of Air and Radiation
Program ID # : 36426090003
Permit Compliance System, Office of Water Enforcement and Permits

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17. ERNST ENTERPRISES INC — OHD044505915
4970 WAGONER FORD RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # OHD044505915

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18. GMC DELCO MORAINE DIV DAYTON N — OHD045557766
3100 NEEDMORE ROAD
DAYTON, OH 45414
Region: 05
Latitude: 394900 Longitude: 0841020
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # OHD045557766
Permit Compliance System, Office of Water Enforcement and Permits
Program ID # : N196*BD
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000102
Office of Toxic Substances (PADS)
Program ID # : OHD045557766

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19. PERFECT-A-TEC CORP — OHD054433818
6222 WEBSTER ST
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD054433818

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20. INTEGRITY MFG CORP — OHD056487374
3723 INPARK CIRCLE
DAYTON, OH 45414
Region: 05

FACILITY ADDRESS EPA ID#

INTEGRITY MFG CORP (CONT'D)

Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD056487374

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21. MIAMI VALLEY INTERNATIONAL TRU OHD056541055
7655 POE AVE
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD056541055

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22. CARGILL INC OHD061698676
3201 NEEDMORE RD
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD061698676
Compliance Data System, Office of Air and Radiation
Program ID # : 36450090131
Pesticides and TSCA Enforcement System, Office of Pesticides and Toxic Substances
Program ID # : OHD061698676
Chemicals in Commerce Information System, Office of Toxic Substances
Program ID # : OH007537Y
Permit Compliance System, Office of Water Enforcement and Permits
Superfund - Hazardous Waste-Superfund

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23. MCNULTY MOTOR INC OHD063990089
7030 POE AVE
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD063990089

FACILITY ADDRESS — EPA ID#

MOORE MK & SONS CO (CONT'D)

24. MOORE MK & SONS CO — OHD063999577
5150 WAGONER FORD RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Office of Enforcement and Compliance Monitoring (DOCKET)
Program ID # : 05-86-0391

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25. SHERWIN-WILLIAMS CO WHSE — OHD071272512
3671 DAYTON PARK RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Superfund - Hazardous Waste-Superfund
Program ID # : OHD071272512

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26. MILES LABORATORIES INC — OHD074694746
5600 BRENTLINGER DR
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD074694746
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000208

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27. MAACO AUTO PAINTING & BODYWORK — OHD074704404
3474 NEEDMORE
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD074704404

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28. MANFREDI MOTOR TRANSIT COMPANY — OHD077758936
5560 BRENTLINGER DR
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)

FINDS Sites

FACILITY ADDRESS — EPA ID#

MANFREDI MOTOR TRANSIT COMPANY (CONT'D)

Program ID # OHD077758936

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29. MONTGOMERY COUNTY INCIN NORTH — OHD081594293
6589 N WEBSTER ST
DAYTON, OH 45414
Region: 05
Latitude: 394710 Longitude: 0841049
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD081594293
Compliance Data System, Office of Air and Radiation
Program ID # : 36450000077
Superfund - Hazardous Waste-Superfund
Program ID # : OHD081594293
Office of Enforcement and Compliance Monitoring (DOCKET)
Program ID # : 05-78-0064

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30. AMERICAN HONDA MOTOR CO INC PC — OHD083365411
6400 SAND LAKE RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD083365411

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31. NEEDMORE SERVICE CTR — OHD083366120
2206 NEEDMORE RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD083366120

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32. NORTHRIDGE LOCAL SCHOOL DIST — OHD084750165
2011 TIMBERLANDS ST
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Pesticides and TSCA Enforcement System, Office of Pesticides and Toxic Substances
Program ID # : OHD084750165

FINDS Sites

FACILITY ADDRESS — EPA ID#

33. EASTERN TANK LINES INC — OHD093901890
5536 BRENTLINGER DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD093901890

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34. LYTTON INC — OHD095203451
3970 IMAGE DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD095203451

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35. AMERICAN BODY SHOP — OHD121994834
2507 ASHCRAFT RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD121994834

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36. AGA GAS INC — OHD123277741
3800 DAYTON PARK DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD123277741

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37. METOKOTE CORP PLT 6 — OHD150672509
3435 STOP EIGHT RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD150672509

FINDS Sites

FACILITY ADDRESS	EPA ID#

38. ALLOYD ASBESTOS ABATEMENT CO — OHD150672749
5734 WEBSTER ST
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD150672749
Office of Enforcement and Compliance Monitoring (DOCKET)
Program ID # : 05-90-E005
Permit Compliance System, Office of Water Enforcement and Permits

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39. SHELL SERVICE STATION — OHD980702336
2450 NEEDMORE
DAYTON, OH 45414
Region: 05
Latitude: 395048 Longitude: 0841242
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD980702336

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40. DARLENES ONE HOUR CLEANERS — OHD981198930
5901 N DIXIE DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD981198930

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41. DEMOLITION LDFL — OHD981528839
WAGNER FORD RD AT WEBSTER RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Pesticides and TSCA Enforcement System, Office of Pesticides and Toxic Substances
Program ID # : OHD981528839

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42. AMERICAN HONDA MOTOR CO INC RE — OHD981794902
3920 SPACE DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD981794902

FINDS Sites

FACILITY ADDRESS	EPA ID#

43. VENTURE MFG — OHD982625261
3949 DAYTON PARK DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD982625261

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44. VENTURE MFG CO — OHD986967925
3616 DAYTON PARK DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986967925

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45. COLUMBIA GAS TRANS-NORTH DIXIE — OHD986975753
N DIXIE RD 0.2 MI S STOP EIGHT
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986975753

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46. DURIRON CO INC MODERN IND PLAS — OHD004241436
3337 N DIXIE DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004241436

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47. MILLAT INDUSTRIES CORP — OHD004242657
4534 WADSWORTH RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004242657

FINDS Sites

FACILITY ADDRESS	EPA ID#

48. WALL COLMONOY — OHD004243689
5251 WEBSTER ST
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004243689

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49. MAZER CORP — OHD004473708
2501 NEFF RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004473708

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50. CROSSROADS TOOL AND MFG CO — OHD004482071
2787 ARMSTRONG LN
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD004482071

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51. OLD COLONY ENVELOPE CO — OHD041229964
5621 N WEBSTER ST
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD041229964

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52. GARNER BROS INC — OHD056602329
3361 NEEDMORE RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD056602329

FINDS Sites

FACILITY ADDRESS	EPA ID#

53. ELDRIDGE BODY SHOP INC — OHD079445094
4625 N DIXIE DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD079445094

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54. OMEGA AUTOMATION INC — OHD108564949
2850 NEEDMORE RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD108564949

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55. ENCON INC — OHD122526023
6161 VENTNOR AVE
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD122526023

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56. DAYTON DIESEL INJECTION — OHD125494112
3341 N DIXIE DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD125494112

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57. MICAFIL INC — OHD139252266
2608 AND 2609 NORDIC RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD139252266

FINDS Sites

FACILITY ADDRESS	EPA ID#

58. BROWNING BODY AND FRAME — OHD170253868
9001 DIXIE DR
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD170253868

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59. LORD CORP — OHD981793698
4644 WADSWORTH RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD981793698

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60. BROADWAY COMPANIES — OHD981797673
6344 WEBSTER ST
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD981797673

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61. FINDLEY ADHESIVES INC — OHD982206484
4710 WADSWORTH RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD982206484

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62. ALAN LAF INC — OHD986975035
4530 WADSWORTH AVE
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986975035

FINDS Sites

FACILITY ADDRESS	EPA ID#

63. EXECUTIVE MOLD CORP — OHD986982841
2781 THUNDERHAWK CT
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986982841

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64. NORTHRIDGE BODY SHOP AND DETAI — OHD986984276
5910 MILO RD
DAYTON, OH 45414
Region: 05
EPA Responsible Office(s):
Hazardous Waste Data Management System, Office of Solid Waste(RCRA)
Program ID # : OHD986984276

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145 Sites found for the area specified.

CERCLIS DATABASE

II. REGULATORY INFORMATION
3. US EPA CERCLIS DATABASE
DAYTON
1600 WEBSTER STREET
DAYTON, OH 45404
County: MONTGOMERY

The CERCLIS List is a compilation by EPA of the sites which EPA has investigated or is currently investigating for a release or threatened release of hazardous substances Pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (Superfund Act).

A search of the 1991 CERCLIS Database revealed the following sites within the stated zip code areas:
45404, 45414

CERCLIS Sites

FACILITY ADDRESS — EPA ID#

157. ENVIRONMENTAL PROCESSING SERVICES — OHD000608588
416 LEO ST
DAYTON, OH 45404
County: MONTGOMERY

Facility Type:	Status Undetermined
Ownership Indicator:	Unknown
Classification:	No Determination
Entry Source:	EPA Files
Status:	Has never been on the proposed final NPL
Proposed NPL Update #:	00
Latitude:	3947300
Longitude:	08410000
Event Discovery:	EPA, Fund Financed Actual Completion Date: 01/15/88
Preliminary Assessment:	EPA, Fund Financed Actual Completion Date: 01/09/89

NFA. At the conclusion of a preliminary assessment, no further action is anticipated for this site or no hazard was identified.

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159. MIKE SELLS — OHD986966489
33 LED STREET (333 LEO STREET)
DAYTON, OH 45404
County: MONTGOMERY

Facility Type:	Status Undetermined
Classification:	No Determination
Status:	Has never been on the proposed final NPL
Latitude:	3947300
Longitude:	08410000
Event Discovery:	State, Fund Financed

FACILITY ADDRESS — EPA ID#

MIKE SELLS (CONT'D)

	Actual Completion Date. 04/20/88
Preliminary Assessment:	State, Fund Financed
	Actual Completion Date: 12/14/90

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117. NORTH SAN LDFL INC — OHD980611875
200 E VALLEYCREST DR
DAYTON, OH 45404
County: MONTGOMERY

Facility Type:	Not A Federal Facility
Ownership Indicator:	Other
Classification:	No Determination
Entry Source:	Notis
Status:	Has never been on the proposed final NPL
Latitude:	3947300
Longitude:	08410000
Event Discovery:	EPA, Fund Financed
	Actual Completion Date: 06/01/81
Listing Site Inspection:	State, Fund Financed
Preliminary Assessment:	EPA, Fund Financed
	Actual Completion Date: 06/28/85
Screening Site Inspection:	State, Fund Financed

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* SENECA CHIEF INC — OHD980611826
403 HOWARD
FINLEY, OH 45404
County: MONTGOMERY

Facility Type:	Not A Federal Facility
Ownership Indicator:	Other
Classification:	No Determination
Entry Source:	Notis
Status:	Has never been on the proposed final NPL
Proposed NPL Update #:	00
Latitude:	3947300
Longitude:	08410000
Event Discovery:	EPA, Fund Financed
	Actual Completion Date: 06/01/81
Preliminary Assessment:	State, Fund Financed
	Actual Completion Date: 09/25/85
Preliminary Assessment:	State, Fund Financed
	Actual Completion Date: 02/07/90

NFA. At the conclusion of a preliminary assessment, no further action is anticipated for this site or no hazard was identified.

* Facility does not appear to be within the area of interest.

FACILITY ADDRESS — EPA ID#

16. IWD LIQUID WASTE — OHD004774345
3975 WAGONER FORD RD
DAYTON, OH 45414
County: MONTGOMERY

Facility Type:	Not A Federal Facility
Ownership Indicator:	Other
Classification:	No Determination
Entry Source:	Notis
Status:	Has never been on the proposed final NPL
Incident Type:	Non-Oil Spill
Proposed NPL Update #:	00
Latitude:	3950480
Longitude:	08412420
Event Discovery:	EPA, Fund Financed Actual Completion Date: 04/01/79
Preliminary Assessment:	State, Fund Financed Actual Completion Date: 12/01/83

NFA. At the conclusion of a preliminary assessment, no further action is anticipated for this site or no hazard was identified.

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* KILGA ENTERPRISES — OHD980899942
5874 GERMANTOWN PIKE
DAYTON, OH 45414
County: MONTGOMERY

Facility Type:	Status Undetermined
Classification:	No Determination
Entry Source:	EPA Files
Status:	Has never been on the proposed final NPL
Latitude:	3950480
Longitude:	08412420
Event Discovery:	Federal Enforcement Actual Completion Date: 12/04/87
Preliminary Assessment:	State, Fund Financed Actual Completion Date: 11/07/90

* The street address provided appears to be outside the zip codes of interest.

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158. MONTGOMERY CO N INCINERATOR — OHD081594293
6589 N WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

Facility Type:	Not A Federal Facility
Ownership Indicator:	Other
Classification:	No Determination
Entry Source:	HWDMS
Status:	Has never been on the proposed final NPL
Latitude:	3950480
Longitude:	08412420
Event Discovery:	EPA, Fund Financed

FACILITY ADDRESS | EPA ID#

MONTGOMERY CO N INCINERATOR (CONT'D)

	Actual Completion Date. 08/01/80
Preliminary Assessment.	State, Fund Financed
	Actual Completion Date: 12/11/86
Screening Site Inspection:	EPA, Fund Financed
	Actual Completion Date: 06/30/87

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25. SHERWIN WILLIAMS WAREHOUSE — OHD071272512
3671 DAYTON PARK DRIVE
DAYTON, OH 45414
County: MONTGOMERY

Facility Type:	Status Undetermined
Classification:	No Determination
Status:	Has never been on the proposed final NPL
Latitude:	3950480
Longitude:	08412420
Event Discovery:	State, Fund Financed
	Actual Completion Date: 04/20/88

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8 Sites found for the area specified.

II. REGULATORY INFORMATION
4. US EPA RCRA DATABASE
DAYTON
1600 WEBSTER STREET
DAYTON, OH 45404
County: MONTGOMERY

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by EPA of reporting facilities that generate, store, transport, treat or dispose of hazardous waste.

A search of the 1991 RCRA Database revealed the following facilities located within the stated zip code area(s):
45404, 45414

RCRA Sites

	FACILITY ADDRESS	EPA ID#
104.	ADVANCED ASSEMBLY AUTOMATION 314 LEO ST DAYTON, OH 45404 County: MONTGOMERY	OHD084755206

Closed non-TSD facility

90.	AGA GAS INC 1223 MCCOOK AVE DAYTON, OH 45404 County: MONTGOMERY	OHD004279774

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

143.	AIR CITY MODELS AND TOOLS INC 80 COMMERCE PARK DR DAYTON, OH 45404 County: MONTGOMERY	OHD986972123

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

77. AMCA INTERNATIONAL CORP — OHD004243648
1752 STANLEY AVE
DAYTON, OH 45404
County: MONTGOMERY

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78. AMERICAN LUBRICANTS CO — OHD004244547
1227 DEEDS AVE
DAYTON, OH 45404
County: MONTGOMERY

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100. ANGELL MANUFACTURING CO INC — OHD072873664
1516-20 STANLEY AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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* APS MATERIALS INC — OHD982066300
153 WALBROOK AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

* The street address provided appears to be outside the zip codes of interest.

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101. ARATEX SERVICES — OHD072876279
1200 WEBSTER ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

72. BENDER AND LOUDON MOTOR FREIGHT INC — OHD000772822
1795 STANLEY AVE BLDG 7
DAYTON, OH 45404
County: MONTGOMERY

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

RCRA Permit Status: Protective/Precautionary Filer

A protective filer and precautionary filer who has been notified by EPA or the authorized state that its withdrawal has been approved.

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77. BRAINERD MFG CO INDUSTRIES DIV — OHD068953645
1723 WEBSTER
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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89. BRINKMAN TOOL AND DIE INC — OHD004279659
325 KISER ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates less than 100 kg/mo of non-acutely hazardous waste.

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132. CCC HIGHWAY INC — OHT400011193
1464 KUNTZ ROAD
DAYTON, OH 45404
County: MONTGOMERY

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

FACILITY ADDRESS — EPA ID#

139. CHILDRENS MEDICAL CTR — OHD071289326
1 CHILDRENS PLAZA
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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103. COASTAL TANK LINES INC — OHD083371591
2160 JERGENS RD
DAYTON, OH 45404
County: MONTGOMERY

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

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128. COLUMBIA GAS TRANS AVONDALE — OHD986975712
WANETA AVE S OF HALDEMAN AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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150. CORDAGE PACKAGING — OHD004479291
66 JANNEY RD
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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119. DAYTON CITY OF — OHD981796964
520 KISER ST
DAYTON, OH 45404
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

DAYTON CITY OF (CONT'D)

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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134. DAYTON CLUTCH AND JOINT INC — OHD007862485
2005 TROY ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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75. DAYTON ELECTRONIC PRODUCTS — OHD004241220
117 E HELENA ST
DAYTON, OH 45404
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

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133. DAYTON MACHINE TOOL CO — OHD004277802
1314 WEBSTER ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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111. DAYTON PARTS CO NAPA — OHD103556080
221 LEO ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates less than 100 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

123. DAYTON PWR AND LIGHT N DAYTON SVC CTR — OHD982617003
1317 TROY ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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88. DAYTON RUST PROOF COMPANY — OHD004278628
1030 VALLEY ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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126. DAYTON TRANE — OHD986967966
1441 STANLEY AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates less than 100 kg/mo of non-acutely hazardous waste.

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151. DAYTON WATER SYSTEMS — OHD061614673
1288 MCCOOK AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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124. DAYTON WIRE CO — OHD982619959
7 DAYTON WIRE PKWY
DAYTON, OH 45404
County: MONTGOMERY

FACILITY ADDRESS | EPA ID#

DAYTON WIRE CO (CONT'D)

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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105. DIAL MACHINE SERVICE CO INC — OHD093906055
131 KISER ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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142. DIGITRON DAYTON — OHD982643793
500 WEBSTER ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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138. DJINNII INDUSTRIES — OHD061709127
302 VERMONT AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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76. DURIRON CO INC THE FOUNDRY & PUMP DIV — OHD004241550
425 N FINDLAY ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

FACILITY ADDRESS EPA ID#

DURIRON CO INC THE FOUNDRY & PUMP DIV (CONT'D)

Existing Facility (In operation on or before 11/19/80)

This facility is engaged in the treatment, storage, and/or the disposal of hazardous waste.

TSD Facility Type: Land Disposal

A facility with land disposal units that are in operation, in post-closure care, closing prior to the certification, or new prior to permitting.

RCRA Permit Status: Permit Withdrawal Candidate

A facility which will not seek an operating permit for any units, This facility was previously covered by RCRA (or was thought to be covered by RCRA) and is now awaiting a decision on a status change request which may have been initiated by either the facility or the regulating authority.

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80. ELECTRO-POLISH CO INC OHD004264198
332 VERMONT AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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140. ENTEC CORP OHD161890967
239 E HELENA ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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65. ENVIRONMENTAL PROCESSING SERVICES OHD000608588
416 LEO STREET
DAYTON, OH 45404
County: MONTGOMERY

FACILITY ADDRESS EPA ID#

ENVIRONMENTAL PROCESSING SERVICES (CONT'D)

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

Existing Facility (In operation on or before 11/19/80)

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

This facility is engaged in the treatment, storage, and/or the disposal of hazardous waste.

TSD Facility Type: Storage/Treatment

A facility with storage and treatment units that are new operating or closing but not yet certified. The facility does not currently have incinerator units and does not have and did not have in the past any land disposal units.

RCRA Permit Status: Operating Facility/ Permit Candidate

An operating (not closed) treatment, storage, or disposal facility not belonging in other categories. Authority to operate may be statutory interim status or may have been granted through an interim status compliance letter or compliance order, (ISCL or ISCO) or other enforcement action. Facility may also have some units that are closed or permitted.

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83. ESTEE MOLD AND DIE INC OHD004277679
1467 STANLEY AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates less than 100 kg/mo of non-acutely hazardous waste.

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84. GAYSTON CORPORATION OHD004278156
55 JANNEY ROAD
DAYTON, OH 45404
County: MONTGOMERY

Closed non-TSD facility

FACILITY ADDRESS — EPA ID#

91. GEM CITY CHEMICALS INC — OHD004472940
1287 AIR CITY AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

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107. GEM CITY SPECIAL MACHINE BLDER — OHD095201513
1425 N KEOWEE ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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109. GEM CITY STAMPINGS INC — OHD097922520
1546 STANLEY AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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130. GLOBE MOTORS DIV OF LCS INC — OHD986979144
2275 STANLEY AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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129. GLOBE MOTORS DIV OF LCS INC — OHD986979136
1944 TROY ST
DAYTON, OH 45404
County: MONTGOMERY

FACILITY ADDRESS EPA ID#

GLOBE MOTORS DIV OF LCS INC (CONT'D)

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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73. GMC DELCO PRODUCTS DIV DAYTON PLANT OHD000817585
1619 KUNTZ ROAD
DAYTON, OH 45404
County: MONTGOMERY
SIC Code: 3621 3714

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

Closed Facility (Previously had interim status or an EPA Permit, but no longer has either.)

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

RCRA Permit Status: Closure Certified

A facility which has completed closure through 40 CFR 264 or 40 CFR 265 for all units, and such closure has been certified by the owner and by a professional engineer.

This category also includes storage facilities where EPA or the authorized state has confirmed the reversion to storage for less than ninety days per 40 CFR 262. The regulating agency has not taken deliberate action to terminate the facility's interim status as a result of LOIS non-certification.

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85. HOHMAN PLATING & MFG CO OHD004278362
814 HILLROSE AVE
DAYTON, OH 45404
County: MONTGOMERY
SIC Code: 3471

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

Existing Facility (In operation on or before 11/19/80)

FACILITY ADDRESS EPA ID#

HOHMAN PLATING & MFG CO (CONT'D)

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

RCRA Permit Status: Protective/Precautionary Filer

A protective filer and precautionary filer who has been notified by EPA or the authorized state that its withdrawal has been approved.

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86. HOLLANDER INDUSTRIES CORP OHD004278438
219 KELLY AVE
DAYTON, OH 45404
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

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110. JOHN PAUL ENTERPRISES INC OHD099020133
400 DETRICKS ST
DAYTON, OH 45404
County: MONTGOMERY
SIC Code: 3321

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

Closed Facility (Previously had interim status or an EPA Permit, but no longer has either.)

RCRA Permit Status: Closure Certified

A facility which has completed closure through 40 CFR 264 or 40 CFR 265 for all units, and such closure has been certified by the owner and by a professional engineer.

This category also includes storage facilities where EPA or the authorized state has confirmed the reversion to storage for less than ninety days per 40 CFR 262. The regulating agency has not taken deliberate action to terminate the facility's interim status as a result of LOIS non-certification.

FACILITY ADDRESS — EPA ID#

82. KIMES ROBERT H INC — OHD004277240
2030 WEBSTER ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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94. LABINAL COMPONENTS GLOBE MOTORS DIV — OHD041066325
1784 STANLEY AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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99. LESTON CORPORATION — OHD072864390
2017 VALLEY STREET
DAYTON, OH 45404
County: MONTGOMERY

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water

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87. NEFF FOLDING BOX CO — OHD004278446
2001 KUNTZ RD
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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137. NILO CO — OHD054439781
115 VALLEYCREST DR
DAYTON, OH 45404
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

NILO CO (CONT'D)

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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70. OHIO BELL-SUPPLY WAREHOUSE — OHD000720417
2024 VALLEY STREET
DAYTON, OH 45404
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

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152. OHIO DEPT OF TRANSP — OHD982205445
4397 PAYNE AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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* ORBIT MOVERS — OHD982606220
1101 NEGGLEY PLACE AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

* The street address provided appears to be outside the zip codes of interest.

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81. PAINT AMERICA CO — OHD004275772
1501 WEBSTER ST
DAYTON, OH 45404
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

FACILITY ADDRESS — EPA ID#

93. PAULS GARAGE INC — OHD041060385
2941 VALLEY ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates less than 100 kg/mo of non-acutely hazardous waste.

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122. PENSKE TRUCK LEASING CO LP — OHD982611592
1601 STANLEY AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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112. PENSKE TRUCK LEASING CO LP — OHD107623761
1922 LINDORPH DR
DAYTON, OH 45404
County: MONTGOMERY

Closed non-TSD facility

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113. PEPSI COLA OF DAYTON — OHD123387748
526 MILBURN AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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127. PRECISION METAL FABRICATION — OHD986968865
191 HEID AVE
DAYTON, OH 45404
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

PRECISION METAL FABRICATION (CONT'D)

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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153. PRICE BROTHERS — OHD099019259
1950 WEBSTER ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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154. PRICE BROTHERS CO R AND D LAB — OHD986985315
1932 E MONUMENT AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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155. REICHARD BUICK — OHD986985752
519 N FINDLAY ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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98. ROBERTS CONSOLIDATED INDUSTRIES — OHD071288039
220 JANNEY RD
DAYTON, OH 45404
County: MONTGOMERY
SIC Code: 2891

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

ROBERTS CONSOLIDATED INDUSTRIES (CONT'D)

Existing Facility (In operation on or before 11/19/80)

RCRA Permit Status: Protective/Precautionary Filer

A protective filer and precautionary filer who has been notified by EPA or the authorized state that its withdrawal has been approved.

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71. SCOTT EDWIN D BROKER — OHD000721027
1820 VALLEY STREET
DAYTON, OH 45404
County: MONTGOMERY

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water

RCRA Permit Status: Protective/Precautionary Filer

A protective filer and precautionary filer who has been notified by EPA or the authorized state that its withdrawal has been approved.

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136. SHEFFIELD MACHINE TOOL CO — OHD012183539
1506 MILBURN AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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66. SHELL OIL CO DAYTON PLANT — OHD000609156
801 BRANDT PIKE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

FACILITY ADDRESS — EPA ID#

106. SOHIO DAYTON TERMINAL 620 — OHD095194684
621 BRANDT PIKE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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108. SPECIALTY SHEET METAL INC — OHD097918395
821 HALL AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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74. SUNMARK PETROLEUM MARKETING TERMINAL — OHD001722263
1708 FARR DR
DAYTON, OH 45404
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

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74. SUNMARK PETROLEUM MARKETING TERMINAL — OHD000685156
1708 FARR DR
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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67. SUNOCO SERVICE STATION — OHD000671818
1448 TROY ST
DAYTON, OH 45404
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

FACILITY ADDRESS — EPA ID#

68. SUNOCO SERVICE STATION — OHD000682823
201 VALLEY ST
DAYTON, OH 45404
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

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69. SUNOCO SERVICE STATION — OHD000682963
7186 MILLER LANE
DAYTON, OH 45404
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

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120. TAIT INC — OHD981955776
500 WEBSTER ST
DAYTON, OH 45404
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

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156. UNITED PARCEL SERVICE — OHD981537681
1308 BRANDT PIKE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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131. UNO VEN COMPANY DAYTON TERMINAL — OHT400010740
1796 FARR DRIVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

79. W & W MOLDED PLASTICS INC — OHD004245098
1441 MILBURN AVENUE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

RCRA Permit Status: Protective/Precautionary Filer

A protective filer and precautionary filer who has been notified by EPA or the authorized state that its withdrawal has been approved.

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144. WATKINS MOTOR LINES INC — OHD986979979
1799 STANLEY AVE
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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135. WISE GARAGE INC — OHD007868748
1845 TROY ST
DAYTON, OH 45404
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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36. AGA GAS INC — OHD123277741
3800 DAYTON PARK DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

62. ALAN LAF INC — OHD986975035
4530 WADSWORTH AVE
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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35. AMERICAN BODY SHOP — OHD121994834
2507ASHCRAFT RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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14. AMERICAN CARCO CORP — OHD004277687
2800 ONTARIO AVE
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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30. AMERICAN HONDA MOTOR CO INC PC — OHD083365411
6400 SAND LAKE RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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42. AMERICAN HONDA MOTOR CO INC REDISTR CTR — OHD981794902
3920 SPACE DR
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

124. B-N PLATING — OHD004243457
613 DANIEL ST
DAYTON, OH 45414
County: MONTGOMERY

This facility generates less than 100 kg/mo of non-acutely hazardous waste.

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60. BROADWAY COMPANIES — OHD981797673
6344 WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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58. BROWNING BODY AND FRAME — OHD170253868
9001 DIXIE DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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22. CARGILL INC — OHD061698676
3201 NEEDMORE RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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3. CHEMINEER INC — OHD004262465
5870 POE AVE
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

CHEMINEER INC (CONT'D)

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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45. COLUMBIA GAS TRANS NORTH DIXIE — OHD986975753
N DIXIE RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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50. CROSSROADS TOOL AND MFG CO — OHD004482071
2787 ARMSTRONG LN
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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40. DARLENES ONE HOUR DRY CLEANERS — OHD981198930
5901 N DIXIE DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates less than 100 kg/mo of non-acutely hazardous waste.

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56. DAYTON DIESEL INJECTION — OHD125494112
3341 N DIXIE DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

46. DURIRON CO INC MODERN IND PLASTICS DIV — OHD004241436
3337 N DIXIE DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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33. EASTERN TANK LINES INC — OHD093901890
5536 BRENTLINGER DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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53. ELDRIDGE BODY SHOP INC — OHD079445094
4625 N DIXIE DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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55. ENCON INC — OHD122526023
6161 VENTNOR AVE
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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17. ERNST ENTERPRISES VALLEY CONCRETE INC — OHD044505915
4970 WAGONER FORD RD
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

ERNST ENTERPRISES VALLEY CONCRETE INC (CONT'D)

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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63. EXECUTIVE MOLD CORP — OHD986982841
2781 THUNDERHAWK CT
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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61. FINDLEY ADHESIVES INC — OHD982206484
4710 WADSWORTH RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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145 FLUTRONICS INC DYNAMIC TECH — OHD023929227
5661 WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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52. GARNER BROS INC — OHD056602329
3361 NEEDMORE RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

18. GMC DELCO MORAINE DIV DAYTON NORTH — OHD045557766
3100 NEEDMORE ROAD
DAYTON, OH 45414
County: MONTGOMERY
SIC Code: 3714

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

Existing Facility (In operation on or before 11/19/80)

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

This facility is engaged in the treatment, storage, and/or the disposal of hazardous waste.

TSD Facility Type: Storage/Treatment

A facility with storage and treatment units that are new operating or closing but not yet certified. The facility does not currently have incinerator units and does not have and did not have in the past any land disposal units.

RCRA Permit Status: Operating Facility/ Permit Candidate

An operating (not closed) treatment, storage, or disposal facility not belonging in other categories. Authority to operate may be statutory interim status or may have been granted through an interim status compliance letter or compliance order, (ISCL or ISCO) or other enforcement action. Facility may also have some units that are closed or permitted.

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1. HARRIS GRAPHICS CORP BUS FORMS SYSTEMS — OHD004202917
4900 WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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6. INDUSTRIAL ELECTRIC MOTORS INC — OHD004474524
5131 WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

16. INDUSTRIAL WASTE DISPOSAL CO — OHD004774345
3975 WAGONER FORD RD
DAYTON, OH 45414
County: MONTGOMERY

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

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20. INTEGRITY MFG CORP — OHD056487374
3723 INPARK CIRCLE
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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146. JORGENSON EARLE M CO — OHD986974988
2531 NEEDMORE RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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59. LORD CORP — OHD981793698
4644 WADSWORTH RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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34. LYTTON INC — OHD095203451
3970 IMAGE DR
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

LYTTON INC (CONT'D)

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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27. MAACO — OHD074704404
3474 NEEDMORE
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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28. MANFREDI MOTOR TRANSIT COMPANY — OHD077758936
5560 BRENTLINGER DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

This facility is engaged in the off-site transportation of hazardous waste by air, rail, road (highway), and/or water.

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49. MAZER CORP — OHD004473708
2501 NEFF RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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23. MCNULTY MOTORS INC — OHD063990089
7030 POE AVE
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

MCNULTY MOTORS INC (CONT'D)

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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10. MEAD IMAGE CENTER — OHD000809947
3908 IMAGE DRIVE
DAYTON, OH 45414
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

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37. METOKOTE CORP PLT 6 — OHD150672509
3435 STOP EIGHT RD
DAYTON, OH 45414
County: MONTGOMERY

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21. MIAMI VALLEY INTERNATIONAL TRK — OHD056541055
7655 POE AVE
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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57. MICAFIL INC — OHD139252266
2608 AND 2609 NORDIC RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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26. MILES INC — OHD074694746
5600 BRENTLINGER DR
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

MILES INC (CONT'D)

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

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47. MILLAT INDUSTRIES CORP — OHD004242657
4534 WADSWORTH RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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29. MONTGOMERY CNTY INCINERATOR NORTH PLT — OHD081594293
6589 N WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

RCRA Permit Status: Protective/Precautionary Filer

A protective filer and precautionary filer who has been notified by EPA or the authorized state that its withdrawal has been approved.

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7. MUSICKS BODY SHOP INC — OHD041598046
3055 STOP EIGHT RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

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31. NEEDMORE SERVICE CENTER — OHD083366120
2206 NEEDMORE RD
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

NEEDMORE SERVICE CENTER (CONT'D)

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

64. NORTHRIDGE BODY SHOP AND DETAIL — OHD986984276
5910 MILO RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

51. OLD COLONY ENVELOPE CO — OHD041229964
5621 N WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

54. OMEGA AUTOMATION INC — OHD108564949
2850 NEEDMORE RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

13. OMEGA TOOL AND DIE — OHD004277398
6192 NORTH WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

19. PERFECT-A-TEC CORP — OHD054433818
6222 WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

147. PROJECTS UNLIMITED — OHD004277869
3680 WYSE RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

5. PROTECTIVE TREATMENTS INC — OHD004279204
3345 STOP EIGHT ROAD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

---

11. RIECK MECHANICAL SERVICES INC — OHD003861168
5245 WADSWORTH RD
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 1000 kg/mo of non-acutely hazardous waste or 1 kg/mo of acutely hazardous waste.

---

4. S & G PLATERS INC — OHD004272035
2640 KEENAN AVE
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS — EPA ID#

S & G PLATERS INC (CONT'D)

Non-handler (I.E. other than RCRA regulated waste handler)

---

39. SHELL SERVICE STATION — OHD980702336
2450 NEEDMORE
DAYTON, OH 45414
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

---

9. SUNOCO SERVICE STATION — OHD000671719
2001 NEEDMORE RD
DAYTON, OH 45414
County: MONTGOMERY

Non-handler (I.E. other than RCRA regulated waste handler)

---

2. TECH DEVELOPMENT INC — OHD004244851
6800 POE AVE
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

148. TONEY TOOL MFG INC — OHD986986172
5724 WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

FACILITY ADDRESS — EPA ID#

43. VENTURE MFG — OHD982625261
3949 DAYTON PARK DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

44. VENTURE MFG CO — OHD986967925
3616 DAYTON PARK DR
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

48. WALL COLMONOY — OHD004243689
5251 WEBSTER ST
DAYTON, OH 45414
County: MONTGOMERY

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

149. WHITEFORD TRANSPORT SYSTEMS — OHD982606840
2942 BOULDER AVE
DAYTON, OH 45414
County: MONTGOMERY

Closed non-TSD facility

---

15. YODER INDUSTRIES — OHD004277901
2520 NEEDMORE RD
DAYTON, OH 45414
County: MONTGOMERY

FACILITY ADDRESS EPA ID#

YODER INDUSTRIES (CONT'D)

This facility generates at least 100 kg/mo, but less than 1000 kg/mo of non-acutely hazardous waste.

---

141 Sites found for the area specified.

OPEN DUMP

II. REGULATORY INFORMATION
5. US EPA OPEN DUMP SITES
DAYTON
1600 WEBSTER STREET
DAYTON, OH 45404
County: MONTGOMERY

A search of the 1989 OPEN DUMP inventory of facilities that do not comply with the Environmental Protection Agency's Criteria for Classification of Solid Waste Disposal Facilities and Practices; revealed the following facilities located within the below listed city. An additional search conducted revealed the following facilities located within the below listed county for which no city location information was available: DAYTON OH

OPEN DUMP Sites

FACILITY ADDRESS	ID#

* LANDFILL SYSTEMS INC
.8M W ON POWELL RD FROM RT 202
DAYTON, OH
County: MONTGOMERY

Non-Compliance : Gases

---

1 Sites found for the area specified.

0 Possibly Misidentified Sites found for the area specified.

ERNS DATABASE

II. REGULATORY INFORMATION
6. ERNS DATABASE

DAYTON
1600 WEBSTER STREET
DAYTON, OH 45404
County: MONTGOMERY

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of Transportation.

A search of the Database records for the period of 1987 - 1991 revealed the following information regarding reported spills of oil or hazardous substances in the stated zip code area(s). Only records with spill incident location zip codes or fixed facility discharger zip codes for that city are included. Also included are sites with incomplete zip code information that are listed as being located within the search city. There are additional records in the database with inadequate location information that are not included in this report.

Zipcode: 45404

ERNS Sites

	FACILITY ADDRESS	SPILL DATE
160.	Case Number: 08029 Spill Location : 1600 WEBSTER ST	06/17/1988

Spill Time	:	10:15 A.M.
Source/Agency		National Response Center
Discharger Name	:	ORF, DOUG
Discharger Org.	:	CHRYSLER CORP/ACUSTAR DAYTON*
Discharger Add.	:	1600 WEBSTER ST
	:	DAYTON, OH 45404
Discharger Phone	:	513-224-2467
Material Spilled	:	100.00 GAL CUTTING OIL
Source of Spill	:	Fixed Facility
Medium Affected	:	Water
Waterway Affected	:	GREAT MIAMI RIVER
Damages	:	Less than $50,000 in Property Damage
Notification	:	State/Local Authority

	Case Number: 12055	08/31/1988
160.	Spill Location : 1600 WEBSTER ST	

Spill Time	:	5:30 A.M.

FACILITY ADDRESS SPILL DATE

ORF, DOUG (CONT'D)

Source/Agency	:	National Response Center
Discharger Name		ORF, DOUG
Discharger Org.	:	ACUSTAR DAYTON THERMAL PRODUCTS
Discharger Add.	:	1600 WEBSTER ST
	:	DAYTON, OH 45404
Discharger Phone	:	513-224-2467
Material Spilled	:	40.00 GAL LUBE OIL
Source of Spill	:	Fixed Facility
Medium Affected	:	Land
Waterway Affected	:	STORM DRAIN, GREAT MIAMI RIVER
Damages	:	Less than $50,000 in Property Damage
Notification	:	State/Local Authority

Case Number: 15224 11/09/1988

160. Spill Location
1600 WEBSTER ST

Spill Time	.	6:05 A.M.
Source/Agency	:	National Response Center
Discharger Name	:	ORF, DOUG
Discharger Org.	:	CHRYSLER CROP ASTROSTAR
Discharger Add.	:	1600 WEBSTER ST
	:	DAYTON, OH 45404
Discharger Phone	:	513-224-2467
Material Spilled	:	35.00 GAL HYDRAULIC OIL
Source of Spill	:	Fixed Facility
Medium Affected	:	Water
Waterway Affected	:	STROM DRAIN/GREAT MIAMI RIVER
Damages	.	Less than $50,000 in Property Damage
Notification	:	State/Local Authority

Case Number: 15560 11/16/1988

160. Spill Location :
1600 WEBSTER STREET

Spill Time	:	1.00:20 P.M.
Source/Agency	:	National Response Center
Discharger Name	:	ORF, DOUGLAS
Discharger Org.	:	ACUSTAR DAYTON THERMAL PRODUCTS
Discharger Add.	:	1600 WEBSTER STREET
	:	DAYTON, OH 45404
Discharger Phone	:	513-224-2467
Material Spilled	:	500.00 GAL PAINT SLUDGE,W/CHROMIUM
Source of Spill	:	Highway
Medium Affected	:	Water
Waterway Affected	:	CONCRETE DRIVEWAY & INTO STORM SEWER

FACILITY ADDRESS — SPILL DATE

ORF, DOUGLAS (CONT'D)

Damages : Less than $50,000 in Property Damage
Notification : State/Local Authority

Case Number: 13181 — 09/24/1988
* Discharger Location :
PO BOX 175

Spill Time : 3:00 P.M.
Source/Agency : National Response Center
Discharger Name : BIRK, THOMAS
Discharger Org. : ECOLOTEC
Discharger Add. : PO BOX 175
: DAYTON, OH 45404
Discharger Phone : 513-254-9990
Material Spilled . 0.00 UNK FLAMMABLE LIQ PAINT MATERIAL
. 0.00 UNK ANTI-FREEZE
: 0.00 UNK WASTE CEMENT ADHESIVE
Source of Spill : Fixed Facility
Medium Affected : Air
Waterway Affected : AIR RELEASE
Damages : Less than $50,000 in Property Damage
Notification : State/Local Authority

* Not able to locate facility using available information.

Case Number: 14385 — 10/13/1988
* Discharger Location :
POB 81

Source/Agency : National Response Center
Discharger Name : DUPIUS, PHILLIP
Discharger Org. : ENROSREV MIDWEST
Discharger Add. : POB 81
: DAYTON, OH 45404
Discharger Phone : 513-254-2346
Material Spilled : 0.00 UNK TRANSFORMER OIL
Source of Spill : Fixed Facility
Medium Affected : Land
Waterway Affected : GROUND
Damages : Less than $50,000 in Property Damage
Notification : State/Local Authority

* Not able to locate facility using available information.

6 ERNS sites found for the area specified.

MISIDENTIFIED RECORDS SEARCH

The following sites, located in the search city, have inadequate or incomplete zip code information in the database records and may be located near the subject property:

ERNS Misidentified Sites

FACILITY ADDRESS	SPILL DATE

Case Number: 17878 — 10/10/1989

* Spill Location :
5263 BURKHART RD
DAYTON OH
County: MONTGOMERY

Spill Time	:	10:00 A.M.
Source/Agency	:	National Response Center
Discharger Org.	:	NIK'S PAINTING
Discharger Add.		5263 BURKHART RD
	.	DAYTON, OH
Discharger Phone	:	0
Material Spilled	:	0.00 UNK PAINT THINNER
	:	0.00 UNK KEROSENE
Source of Spill	:	Fixed Facility
Medium Affected	:	Water
Waterway Affected	:	WELL WATER
Damages	:	Less than $50,000 in Property Damage

* Not able to locate facility using available information.

Case Number: 20711 — 09/01/1989

* Spill Location .
SPRINGFIELD ST.
DAYTON OH
County: MONTGOMERY

Spill Time	:	12:00 P.M.
Source/Agency	:	National Response Center
Discharger Org.	:	ECOLOTECH
Discharger Add.	:	SPRINGFIELD ST.
	:	DAYTON, OH
Discharger Phone	:	0
Material Spilled	:	0.00 UNK HAZARDOUS CHEMICALS
Source of Spill	:	Fixed Facility
Medium Affected	:	Water
Waterway Affected	:	LAND AND NEARBY RIVER
Damages	:	Less than $50,000 in Property Damage

* Facility does not appear to be within the area of interest.

ERNS Misidentified Sites

FACILITY ADDRESS	SPILL DATE

2 ERNS misidentified sites found for the area specified.

MISIDENTIFIED SITES

III. MISIDENTIFIED SITES

DAYTON
1600 WEBSTER STREET
DAYTON, OH 45404
County: MONTGOMERY

Aside from the databases searched in section II of this Report, EPA records also contain sites and facilities which cannot be located in those databases because they are misidentified in the EPA records or lack sufficient information to identify the sites correctly. EAI Environmental Data Systems is designed to search these miscellaneous records for misidentified or incorrectly catalogued sites and facilities in the area specified.

Although this search may identify additional sites or facilities on or near the subject property, there is no guarantee that all such sites contained in the miscellaneous records have been identified.

The EAI systems search of the EPA miscellaneous records identified the following sites or facilities which appear to be located on or near the subject property.

Misidentified - FINDS Sites

FACILITY ADDRESS	EPA ID#
* KILGO ENTERPRISES 5874 GERMANTON PIKE DAYTON, OH 99999	OHD980899942

Region: 05
EPA Responsible Office(s):
Pesticides and TSCA Enforcement System, Office of Pesticides and Toxic Substances
Program ID # : OHD980899942
Superfund - Hazardous Waste-Superfund
Program ID # : OHD980899942

1 Total Misidentified sites found for the area specified

* Facility does not appear to be within the area of interest.

THE STATE REPORT

REPORT PROPERTY ADDRESS:

DAYTON
1600 WEBSTER STREET
DAYTON, OHIO 45404
County: MONTGOMERY

TABLE OF CONTENTS

I STATE DATABASE INFORMATION
DAYTON
1600 WEBSTER STREET
DAYTON, OHIO 45404
County: MONTGOMERY
I. State Priority List

The Ohio Environmental Protection Agency, Corrective Actions Section compiles a master list of identified sites or sources of environmental problems. A review of the Unregulated Sites Master List revealed the following facilities located within the 45404 and 45414 zip code areas, Montgomery County, Ohio.

	EPA ID # OHIO EPA ID #	FACILITY NAME/LOCATION
65.	OHD000608588 557-1081	Environmental Processing Services 416 Leo St. Dayton, OH 45404 Montgomery County
159.	OHD986966489 557-1002	Mike Sells 333 Leo Street Dayton, OH 45404 Montgomery County
29.	OHD081594293 557-0540	Montgomery Co Incinerator - North Plt. 6589 Webster St Dayton, OH 45414 Montgomery County
117	OHD980611875 557-0583	North San Ldfl Inc 200 E Valleycrest Dr Dayton, OH 45404 Montgomery County
25.	OHD071272512 557-1000	Sherwin Williams Warehouse 3671 Dayton Park Dr Dayton, OH 45414 Montgomery County

I. STATE DATABASE INFORMATION
DAYTON
1600 WEBSTER STREET
DAYTON, OHIO 45404
County: MONTGOMERY
I. State Priority List

	EPA ID # / OHIO EPA ID #	FACILITY NAME/LOCATION
16.	OHD004774345 557-0423	IWD Liquid Waste, Inc. 3975 Wagoner Ford Rd. Dayton, OH 45414 Montgomery County
*	OHD98089942 557-0977	Kilga Enterprises 5874 Germantown Pike Dayton, OH 45414 Montgomery County

* Facility does not appear to be within the area of interest.

7 Sites found for the area specified.

0 Possibly Misidentified Sites found for the area specified.

APPENDIX B

Analytical Results of Groundwater Samples Collected at the Facility

LOU:

PER YOUR REQUEST OF GEORGE HIGGS, ATTACHED IS OUR MOST RECENT ANALYSIS OF MATERIAL FROM THE POST HOLE IN BLDG. 40B.

DOUG ORF

ACUSTAR
A CHRYSLER MOTORS COMPANY

FACSIMILE MESSAGE

TO FAX NO. 841 - 6730

ATTENTION OF LOU BLAIR

COMPANY NAME: ACUSTAR

FROM FAX NO.. [313] 224-2915

CHRYSLER TIE LINE NO: 8-848-2915

NAME: DOUG ORF

COMPANY ACUSTAR DAYTON THERMAL PROD
DAYTON SHI)

PAGE 1 OF 4

DATE. 11/6/89

DAYTON THERMAL PRODUCTS DIVISION

MGS:vkr
11/86
Rev. 07/87

PAGE 1 HOWARD LABS INC REPORT LAB # 89-09-D63

RECEIVED 09/27/89 10/25/89 15:37:31

CLIENT CHRYSLER SAMPLES 2
COMPANY Chrysler Corporation
FACILITY Power Train Division

REPORT TO Chrysler Corporation (5407)
1600 Webster Street
Dayton, Ohio 45404

ATTEN John Lion

WORK ID Building 40B - #9-27-89-01
TAKEN 09/27/89
TRANS Delivered
TYPE Aqueous
P.O # A-874306188-B Supplier 36273
INVOICE under separate cover

PREPARED BY HOWARD LABORATORIES, INC
3601 South Dixie Drive
P.O. Box 349
Dayton, OH 45449
PHONE 513-294-6856 FAX # 294-7816

Karen K Woolum
CERTIFIED BY

CONTACT J ANDREJCIO

Results of samples submitted for analysis are enclosed. When inquiring, please reference "LAB #". Samples will be discarded 30 days following report unless advised otherwise.
OHIO EPA CERTIFICATION, CHEMICAL 4074 BACTERIOLOGICAL 857

SAMPLE IDENTIFICATION
Hole in Floor by Stairway
Blanks

HOWARD LABS INC TEST CODES and NAMES used on this report
VOAMSC GC/MS SCAN TOTAL VOLATILES

E 2 HOWARD LABS INC REPORT LAB # 89-09-D63
EIVED: 09/27/89 Results by Sample

PLE ID Hole in Floor by Stairway FRACTION 01A TEST CODE VOAMSC NAME GC/MS SCAN TOTAL VOLATILES
Date & Time Collected 09/27/89 Category

DATA FILE E5203
TE INJECTED 10/11/89 ANALYST KH VERIFIED BY KQM

COMPOUND	RESULT	UNITS	
Chloroethane	85.9	ug/L	= 0.0859 ppm
1,1-Dichloroethane	132.0	ug/L	= 0.132 ppm
cis-1,2-Dichloroethene	65.1	ug/L	= 0.0651 ppm
1,1,1-Trichloroethane	2.60	ug/L	= 0.0026 ppm
Trichloroethene	8.35	ug/L	= 0.0085 ppm
Method Detection Limit	<2.50	ug/L	

The following are inter-laboratory QA/QC results for SW-846 Method 8240

COMPOUND	RESULT	CODE
1,2-dichloroethane-d4	77.0 %	S1V
toluene-d6	93.0 %	S2V
bromofluorobenzene	109.0 %	S3V

CODE SV - Surrogate compound for QC check

HOWARD LABS INC REPORT LAB # 89-09-D63

ECEIVED: 09/27/89

Results by Sample

AMPLE ID Blanks FRACTION 02A TEST CODE VOAMSC NAME GC/MS SCAN TOTAL VOLATILES

Date & Time Collected not specified Category

DATA FILE E5198

DATE INJECTED 10/11/89 ANALYST KH VERIFIED BY KQM

COMPOUND	RESULT	UNITS
No volatile compounds were detected with a detection limit of <0.5 ug/L		

The following are inter-laboratory QA/QC results for SW-846 Method 8240

COMPOUND	RESULT	CODE
1,2-dichloroethane-d4	80.0 %	S1V
toluene-d6	96.2 %	S2V
bromofluorobenzene	105.0 %	S3V

CODE SV - Surrogate compound for QC check.

OhioEPA
State of Ohio Environmental Protection Agency
Southwest District Office
40 South Main Street
Dayton, Ohio 45402
(513) 449-6357

copy sent to
Lou Blair
Don Reinbolt
George Higgs

Richard F Celeste
Governor

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: DOUG ORF, ENV. COORDINATOR

FROM: KATHY FOX, OEPA

TOTAL NUMBER OF PAGES INCLUDING THIS COVER: 9

DATE: 1/11/90

IF YOU DO NOT RECEIVE ALL OF THE PAGES AND/OR ANY PROBLEMS ARISE DURING TRANSMISSION, PLEASE CONTACT US AS SOON AS POSSIBLE AT (513) 449-6357.

APPROVED TO TELECOPY: Thomas A. Winston
THOMAS A. WINSTON

Received: 11/29/89 12/12/89 10:28:15

REPORT TO: Ohio EPA DSHWM
P.O. Box 1049
Columbus, OH 43266-0149

ATTEN: Art Coleman

CLIENT: OEPA 56664 SAMPLES: 4
COMPANY: Ohio EPA
FACILITY: 1800 Watermark Dr.
Columbus, Ohio 43215

K ID: K891127-1/Acustar
TAKEN: BN/KF
TRANS: Fed Ex
TYPE:
P.O. #: 598339/072689
INVOICE: under separate cover

PREPARED BY: KEMRON ENVIRONMENTAL SERVICES
109 STARLITE PARK
MARIETTA, OHIO 45750

David L. Benjamin
CERTIFIED BY

ATTEN:
PHONE: (614) 373-4071

CONTACT H BUSKIRK

ALL WORK PERFORMED IN ACCORDANCE WITH STANDARD METHODOLOGY.

SAMPLE IDENTIFICATION

K891127-1-3A
K891127-1-3B
K891127-1-1A
K891127-1-1B

TEST CODES and NAMES used on this report

AG	Silver, Total
AS	Arsenic, Total
BA	Barium, Total
CD	Cadmium, Total
CR	Chromium, Total
HG	Mercury, Total
M8240	Volatile Organics
PB_FU	Lead, Total
SE	Selenium, Total

kemron

BLDG 20 well

SAMPLE ID K891127-1-3A SAMPLE # 01 FRACTIONS: A
Date & Time Collected 11/27/89 10:10:00 Category WATER

AG	<0.01	AS	<0.004	BA	0.14	CD	<0.01	CR	<0.02	HG	<0.0005
	mg/l Ag		mg/l As		mg/l Ba		mg/l Cd		mg/l Cr		mg/l Hg
PB_FU	0.01	SE	<0.004								
	mg/l Pb		mg/l Se								

(

SAMPLE ID K891127-1-3B FRACTION 02A TEST CODE M8240 NAME Volatile Organics
Date & Time Collected 11/27/89 10:12:00 Category WATER

ANALYST: PJK FILE #: 20E9160
INSTRMT: FINN_2 INJECTED: 11/29/89 FACTOR: 1 UNITS: ug/L VERIFIED: RJW

CAS#	COMPOUND	RESULT	DET LIMIT
74-87-3	Chloromethane	BDL	10
74-83-9	Bromomethane	BDL	10
75-01-4	Vinyl chloride	BDL	10
75-00-3	Chloroethane	BDL	10
75-09-2	Methylene chloride	BDL	5
67-64-1	Acetone	BDL	10
75-15-0	Carbon disulfide	BDL	5
75-35-4	1,1-Dichloroethene	BDL	5
75-34-3	1,1-Dichloroethane	BDL	5
540-59-0	1,2-Dichloroethene (total)	BDL	5
67-66-3	Chloroform	BDL	5
107-06-2	1,2-Dichloroethane	BDL	5
78-93-3	2-Butanone	BDL	10
71-55-6	1,1,1-Trichloroethane	BDL	5
56-23-5	Carbon tetrachloride	BDL	5
108-05-4	Vinyl acetate	BDL	10
75-27-4	Bromodichloromethane	BDL	5
78-87-5	1,2-Dichloropropane	BDL	5
10061-01-5	cis-1,3-Dichloropropene	BDL	5
79-01-6	Trichloroethene	BDL	5
124-48-1	Dibromochloromethane	BDL	5
79-00-5	1,1,2-Trichloroethane	BDL	5
71-43-2	Benzene	BDL	5
10061-02-6	trans-1,3-Dichloropropene	BDL	5
110-75-8	2-Chloroethyl vinyl ether	BDL	10
75-25-2	Bromoform	BDL	5
591-78-6	2-Hexanone	BDL	10
108-10-1	4-Methyl-2-pentanone	BDL	10
127-18-4	Tetrachloroethene	BDL	5
108-88-3	Toluene	BDL	5
79-34-5	1,1,2,2,-Tetrachloroethane	BDL	5
108-90-7	Chlorobenzene	BDL	5

AMPLE ID K891127-1-3B FRACTION 02A TEST CODE M8240 NAME Volatile Organics
Date & Time Collected 11/27/89 10:12:00 Category WATER

CAS#	COMPOUND	RESULT	DET LIMIT
100-41-4	Ethyl benzene	BDL	5
100-42-5	Styrene	BDL	5
1330-20-7	Xylenes (Total)	BDL	5

SURROGATES

1,2-Dichloroethane-d4	93	% Recovery
Toluene-d8	101	% Recovery
p-Bromofluorobenzene	104	% Recovery

OTES AND DEFINITIONS FOR THIS REPORT
DET LIMIT = DETECTION LIMIT
BDL = BELOW DETECTION LIMIT
* = SEMI-QUANTITATIVE SCREEN ONLY

KEMRON

Received: 11/29/89 Results by Sample

Boiler House well

SAMPLE ID K891127-1-1A SAMPLE # 03 FRACTIONS: A
Date & Time Collected 11/27/89 10:58:00 Category WATER

AG	<0.01	mg/l Ag	AS	<0.004	mg/l As	BA	0.13	mg/l Ba	CD	<0.01	mg/l Cd
CR	<0.02	mg/l Cr	HG	<0.0005	mg/l Hg	PB_FU	<0.005	mg/l Pb	SE	<0.004	mg/l Se

Kemron

MPLE ID K891127-1-1B FRACTION 04A TEST CODE M8240 NAME Volatile Organics
Date & Time Collected 11/27/89 11:00:00 Category WATER

ANALYST: PJK FILE #: 20E9162
INSTRMT: FINN_2 INJECTED: 11/29/89 FACTOR: 1 UNITS: ug/L VERIFIED: RJW

CAS#	COMPOUND	RESULT	DET LIMIT
74-87-3	Chloromethane	BDL	10
74-83-9	Bromomethane	BDL	10
75-01-4	Vinyl chloride	22	10
75-00-3	Chloroethane	BDL	10
75-09-2	Methylene chloride	BDL	5
67-64-1	Acetone	BDL	10
75-15-0	Carbon disulfide	BDL	5
75-35-4	1,1-Dichloroethene	98	5
75-34-3	1,1-Dichloroethane	17	5
540-59-0	1,2-Dichloroethene (total)	130	5
67-66-3	Chloroform	BDL	5
107-06-2	1,2-Dichloroethane	BDL	5
78-93-3	2-Butanone	BDL	10
71-55-6	1,1,1-Trichloroethane	670	5
56-23-5	Carbon tetrachloride	BDL	5
108-05-4	Vinyl acetate	BDL	10
75-27-4	Bromodichloromethane	BDL	5
78-87-5	1,2-Dichloropropane	BDL	5
10061-01-5	cis-1,3-Dichloropropene	BDL	5
79-01-6	Trichloroethene	510	5
124-48-1	Dibromochloromethane	BDL	5
79-00-5	1,1,2-Trichloroethane	BDL	5
71-43-2	Benzene	BDL	5
10061-02-6	trans-1,3-Dichloropropene	BDL	5
110-75-8	2-Chloroethyl vinyl ether	BDL	10
75-25-2	Bromoform	BDL	5
591-78-6	2-Hexanone	BDL	10
108-10-1	4-Methyl-2-pentanone	BDL	10
127-18-4	Tetrachloroethene	550	5
108-88-3	Toluene	BDL	5
79-34-5	1,1,2,2,-Tetrachloroethane	BDL	5
108-90-7	Chlorobenzene	BDL	5

KEMRON

MPLE ID K891127-1-1B FRACTION 04A TEST CODE M8240 NAME Volatile Organics
Date & Time Collected 11/27/89 11:00:00 Category WATER

CAS#	COMPOUND	RESULT	DET LIMIT
100-41-4	Ethyl benzene	BDL	5
100-42-5	Styrene	BDL	5
1330-20-7	Xylenes (Total)	BDL	5

SURROGATES

1,2-Dichloroethane-d4	101	% Recovery
Toluene-d8	99	% Recovery
p-Bromofluorobenzene	102	% Recovery

TES AND DEFINITIONS FOR THIS REPORT
DET LIMIT = DETECTION LIMIT
BDL = BELOW DETECTION LIMIT
* = SEMI-QUANTITATIVE SCREEN ONLY

TEST CODE AG NAME Silver, Total

PA Method 200.7 (ICP) or 272.1 (AA - Direct Aspiration)

EST CODE AS NAME Arsenic, Total

PA Method 206.3 (AA Vapor Hydride)

ST CODE BA NAME Barium, Total

A Method 200.7 - (ICAP) or 208.1 (AA - Direct Aspiration)

ST CODE CD NAME Cadmium, Total

A Method 200.7 (ICP) or 213.1 (AA - Direct Aspiration)

ST CODE CR NAME Chromium, Total

A Method 200.7 (ICP) or 218.1 (AA - Direct Aspiration)

ST CODE HG NAME Mercury, Total

Method 245.1 (Cold Vapor)

T CODE M8240 NAME Volatile Organics

Method 8240 Volatile Organics - Purge and Trap

CODE PB_FU NAME Lead, Total

Method 239.2 AA Graphite Furnace

NET NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc
Dayton Division
3601 South Dixie Drive
Dayton, OH 45439
Tel (513) 294-6856
Fax (513) 294-7816

Formerly Howard Laboratories, Inc

ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

12-27-89

DATE RECEIVED: 11-28-89

VOLATILE COMPOUNDS

METHOD 8240

Benzene	<2.5	ug/L
Bromodichloromethane	<2.5	ug/L
Bromoform	<2.5	ug/L
Bromomethane	<2.5	ug/L
Carbon tetrachloride	<2.5	ug/L
Chlorobenzene	<2.5	ug/L
2-Chloroethyl vinyl ether	<150.0	ug/L
Chloroform	<2.5	ug/L
Chloromethane	<2.5	ug/L
Dibromochloromethane	<2.5	ug/L
o-Dichlorobenzene	<2.5	ug/L
m-Dichlorobenzene	<2.5	ug/L
p-Dichlorobenzene	<2.5	ug/L
1,1-Dichloroethane	<2.5	ug/L
1,2-Dichloroethane	<2.5	ug/L
1,1-Dichloroethene	<2.5	ug/L
trans-1,2-Dichloroethene	<2.5	ug/L
1,2-Dichloropropane	<2.5	ug/L
cis-1,3-Dichloropropene	<2.5	ug/L
trans-1,3-Dichloropropene	<2.5	ug/L
Ethyl benzene	<2.5	ug/L
Methylene chloride	<2.5	ug/L
1,1,2,2-Tetrachloroethane	<2.5	ug/L
Tetrachloroethene	<2.5	ug/L
Toluene	<2.5	ug/L
1,1,1-Trichloroethane	<2.5	ug/L
1,1,2-Trichloroethane	<2.5	ug/L
Trichloroethene	<2.5	ug/L
Trichlorofluoromethane	<2.5	ug/L
Vinyl chloride	<2.5	ug/L

John Andrejcio
Project Manager

NET NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc
Dayton Division
3601 South Dixie Drive
Dayton, OH 45439
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Fax (513) 294-7816

Formerly Howard Laboratories, Inc

ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

12-27-89

DATE RECEIVED: 11-28-89

SAMPLE NO.	SAMPLE DESCRIPTION	DATE TAKEN	
7052	Well #2 - Boiler House	11-27-89	1056

Alkalinity, Total (CaC03)	259	mg/L
Chloride	203	mg/L
COD	<10	mg/L
Conductivity	1,280	umhos/cm
Nitrogen, Nitrate+Nitrite	0.24	mg/L
pH	7.30	S.U.
Phosphorus, Total	0.03	mg/L
Solids, Suspended	1	mg/L
Sulfate	82	mg/L
Mercury	<0.0002	mg/L
Arsenic	<0.0025	mg/L
Barium	0.251	mg/L
Cadmium	<0.001	mg/L
Chromium, Total	<0.005	mg/L
Lead	<0.005	mg/L
Selenium	0.009	mg/L
Silver	<0.001	mg/L

John Andrejcio
Project Manager

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ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

12-27-89

DATE RECEIVED: 11-28-89

VOLATILE COMPOUNDS

METHOD 8240

Benzene	<2.5	ug/L
Bromodichloromethane	<2.5	ug/L
Bromoform	<2.5	ug/L
Bromomethane	<2.5	ug/L
Carbon tetrachloride	<2.5	ug/L
Chlorobenzene	<2.5	ug/L
2-Chloroethyl vinyl ether	<150.0	ug/L
Chloroform	<2.5	ug/L
Chloromethane	<2.5	ug/L
Dibromochloromethane	<2.5	ug/L
o-Dichlorobenzene	<2.5	ug/L
m-Dichlorobenzene	<2.5	ug/L
p-Dichlorobenzene	<2.5	ug/L
1,1-Dichloroethane	15.9	ug/L
1,2-Dichloroethane	<2.5	ug/L
1,1-Dichloroethene	53.8	ug/L
trans-1,2-Dichloroethene	3.0	ug/L
1,2-Dichloropropane	<2.5	ug/L
cis-1,3-Dichloropropene	<2.5	ug/L
trans-1,3-Dichloropropene	<2.5	ug/L
Ethyl benzene	<2.5	ug/L
Methylene chloride	<2.5	ug/L
1,1,2,2-Tetrachloroethane	<2.5	ug/L
Tetrachloroethene	107.0	ug/L
Toluene	<2.5	ug/L
1,1,1-Trichloroethane	217.0	ug/L
1,1,2-Trichloroethane	<2.5	ug/L
Trichloroethene	116.0	ug/L
Trichlorofluoromethane	<2.5	ug/L
Vinyl chloride	14.0	ug/L

John Andrejcio
Project Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc
Dayton Division
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Dayton, OH 45439
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Formerly Howard Laboratories, Inc

ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

12-27-89

DATE RECEIVED: 11-28-89

SAMPLE NO.	SAMPLE DESCRIPTION	DATE TAKEN
7053	Blanks	

John Andrejcio
Project Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

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Formerly Howard Laboratories, Inc

ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

12-27-89

DATE RECEIVED: 11-28-89

VOLATILE COMPOUNDS

METHOD 8240

Benzene	<0.5	ug/L
Bromodichloromethane	<0.5	ug/L
Bromoform	<0.5	ug/L
Bromomethane	<0.5	ug/L
Carbon tetrachloride	<0.5	ug/L
Chlorobenzene	<0.5	ug/L
2-Chloroethyl vinyl ether	<30.	ug/L
Chloroform	<0.5	ug/L
Chloromethane	<0.5	ug/L
Dibromochloromethane	<0.5	ug/L
o-Dichlorobenzene	<0.5	ug/L
m-Dichlorobenzene	<0.5	ug/L
p-Dichlorobenzene	<0.5	ug/L
1,1-Dichloroethane	<0.5	ug/L
1,2-Dichloroethane	<0.5	ug/L
1,1-Dichloroethene	<0.5	ug/L
trans-1,2-Dichloroethene	<0.5	ug/L
1,2-Dichloropropane	<0.5	ug/L
cis-1,3-Dichloropropene	<0.5	ug/L
trans-1,3-Dichloropropene	<0.5	ug/L
Ethyl benzene	<0.5	ug/L
Methylene chloride	<0.5	ug/L
1,1,2,2-Tetrachloroethane	<0.5	ug/L
Tetrachloroethene	<0.5	ug/L
Toluene	<0.5	ug/L
1,1,1-Trichloroethane	<0.5	ug/L
1,1,2-Trichloroethane	<0.5	ug/L
Trichloroethene	<0.5	ug/L
Trichlorofluoromethane	<0.5	ug/L
Vinyl chloride	<0.5	ug/L

John Andrejcio
Project Manager

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc
Dayton Division
3601 South Dixie Drive
Dayton, OH 45439
Tel (513) 294-6858
Fax (513) 294-7816

Formerly Howard Laboratories, Inc

ADDITIONAL VOLATILE COMPOUNDS DETECTED FOR SAMPLE 7052

cis-1,2-Dichloroetnene	87.6 ug/L

OhioEPA
State of Ohio Environmental Protection Agency
Southwest District Office
40 South Main Street
Dayton, Ohio 45402
(513) 449-6357

Richard F. Celeste
Governor

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: DOUG ORF, ACCUSTAR 224-2915 (local)

FROM: KATHY FOX, OEPA/SWDO

TOTAL NUMBER OF PAGES INCLUDING THIS COVER: 8

DATE: 2/21/90

IF YOU DO NOT RECEIVE ALL OF THE PAGES AND/OR ANY PROBLEMS ARISE DURING TRANSMISSION, PLEASE CONTACT US AS SOON AS POSSIBLE AT (513) 285-6357.

APPROVED TO TELECOPY: Thomas A. Winston
THOMAS A. WINSTON

6 found

DOUG - WON'T BE ABLE TO CALL TODAY; WILL GIVE YOU A CALL NO LATER THAN FRIDAY.

KATHY

Ohio EPA Analysis

Page 1 KEMRON REPORT Work Order # MO-01-124
Received: 01/12/90 01/16/90 12:54:28

REPORT TO: Ohio EPA DSHWM
P.O. Box 1049
Columbus, OH 43266-0149

ATTEN: Art Coleman

CLIENT: OEPA 56664 SAMPLES: 2
COMPANY: Ohio EPA
FACILITY: 1800 Watermark Dr.
Columbus, Ohio 43215

WORK ID: K90111-3/Accustar
TAKEN: Fox
TRANS: Fed Ex
TYPE:
P.O. #: 598339/072689
INVOICE: under separate cover

PREPARED BY: KEMRON ENVIRONMENTAL SERVICES
109 STARLITE PARK
MARIETTA, OHIO 45750

ATTEN:
PHONE: (614) 373-4071

Leslie J. Lytle
CERTIFIED BY

CONTACT H BUSKIRK

ALL WORK PERFORMED IN ACCORDANCE WITH STANDARD METHODOLOGY.

SAMPLE IDENTIFICATION	TEST CODES and NAMES used on this report
1 K90111-3 Accustar #1	M8240 Volatile Organics
2 K90111-3 Accustar #2	

RECEIVED
OHIO EPA
JAN 19 1990
DIV. of SOLID & HAZ. WASTE MGT.

KEMRON ENVIRONMENTAL SERVICES

Received: 01/12/90 Results by Sample

SAMPLE ID K90111-3 Accustar #1 FRACTION 01A TEST CODE M8240 NAME Volatile Organics
Date & Time Collected 01/11/90 10:27:00 Category LIQUID

ANALYST: WSN FILE #: 30E3072
INSTRMT: FINN_3 INJECTED: 01/12/90 FACTOR: 1 UNITS: ug/L VERIFIED: RJW

CAS#	COMPOUND	RESULT		DET LIMIT
74-87-3	Chloromethane	BDL		10
74-83-9	Bromomethane	BDL		10
75-01-4	Vinyl chloride		12	10
75-00-3	Chloroethane	BDL		10
75-09-2	Methylene chloride	**	28	5
67-64-1	Acetone	BDL		10
75-15-0	Carbon disulfide	BDL		5
75-35-4	1,1-Dichloroethene		59	5
75-34-3	1,1-Dichloroethane		12	5
540-59-0	1,2-Dichloroethene (total)	BDL		5
67-66-3	Chloroform	BDL		5
107-06-2	1,2-Dichloroethane	BDL		5
78-93-3	2-Butanone	BDL		10
71-55-6	1,1,1-Trichloroethane		670	5
56-23-5	Carbon tetrachloride	BDL		5
108-05-4	Vinyl acetate	BDL		10
75-27-4	Bromodichloromethane	BDL		5
78-87-5	1,2-Dichloropropane	BDL		5
10061-01-5	cis-1,3-Dichloropropene	BDL		5
79-01-6	Trichloroethene		590	5
124-48-1	Dibromochloromethane	BDL		5
79-00-5	1,1,2-Trichloroethane	BDL		5
71-43-2	Benzene	BDL		5
10061-02-6	trans-1,3-Dichloropropene	BDL		5
110-75-8	2-Chloroethyl vinyl ether	BDL		10
75-25-2	Bromoform	BDL		5
591-78-6	2-Hexanone	BDL		10
108-10-1	4-Methyl-2-pentanone	BDL		10
127-18-4	Tetrachloroethene	BDL		5
108-88-3	Toluene	BDL		5
79-34-5	1,1,2,2,-Tetrachloroethane	BDL		5
108-90-7	Chlorobenzene	BDL		5

KEMRON
ENVIRONMENTAL SERVICES

SAMPLE ID K90111-3 Accustar #1 FRACTION 01A TEST CODE M8240 NAME Volatile Organics
Date & Time Collected 01/11/90 10:27:00 Category LIQUID

CAS#	COMPOUND	RESULT	DET LIMIT
100-41-4	Ethyl benzene	BDL	5
100-42-5	Styrene	BDL	5
1330-20-7	Xylenes (Total)	BDL	5

SURROGATES

1,2-Dichloroethane-d4	100	% Recovery
Toluene-d8	104	% Recovery
p-Bromofluorobenzene	93	% Recovery

NOTES AND DEFINITIONS FOR THIS REPORT
DET LIMIT = DETECTION LIMIT
BDL = BELOW DETECTION LIMIT
* = SEMI-QUANTITATIVE SCREEN ONLY
** = FOUND IN BLANK AT 6 ug/L

KEMRON
ENVIRONMENTAL SERVICES

SAMPLE ID K90111-3 Accustar #2 FRACTION 02A TEST CODE M8240 NAME Volatile Organics
Date & Time Collected 01/11/90 10:30:00 Category LIQUID

ANALYST: WSN FILE #: 30E3073
INSTRMT: FINN_3 INJECTED: 01/12/90 FACTOR: 1 UNITS: ug/L VERIFIED: RJW

CAS#	COMPOUND	RESULT	DET LIMIT
74-87-3	Chloromethane	BDL	10
74-83-9	Bromomethane	BDL	10
75-01-4	Vinyl chloride	12	10
75-00-3	Chloroethane	BDL	10
75-09-2,	Methylene chloride	** 26	5
67-64-1	Acetone	BDL	10
75-15-0	Carbon disulfide	BDL	5
75-35-4	1,1-Dichloroethene	59	5
75-34-3	1,1-Dichloroethane	12	5
540-59-0	1,2-Dichloroethene (total)	BDL	5
67-66-3	Chloroform	BDL	5
107-06-2	1,2-Dichloroethane	BDL	5
78-93-3	2-Butanone	BDL	10
71-55-6	1,1,1-Trichloroethane	670	5
56-23-5	Carbon tetrachloride	BDL	5
108-05-4	Vinyl acetate	BDL	10
75-27-4	Bromodichloromethane	BDL	5
78-87-5	1,2-Dichloropropane	BDL	5
10061-01-5	cis-1,3-Dichloropropene	BDL	5
79-01-6	Trichloroethene	570	5
124-48-1	Dibromochloromethane	BDL	5
79-00-5	1,1,2-Trichloroethane	BDL	5
71-43-2	Benzene	BDL	5
10061-02-6	trans-1,3-Dichloropropene	BDL	5
110-75-8	2-Chloroethyl vinyl ether	BDL	10
75-25-2	Bromoform	BDL	5
591-78-6	2-Hexanone	BDL	10
108-10-1	4-Methyl-2-pentanone	BDL	10
127-18-4	Tetrachloroethene	BDL	5
108-88-3	Toluene	BDL	5
79-34-5	1,1,2,2,-Tetrachloroethane	BDL	5
108-90-7	Chlorobenzene	BDL	5

KEMRON
ENVIRONMENTAL SERVICES

SAMPLE ID K90111-3 Accustar #2 FRACTION 02A TEST CODE M8240 NAME Volatile Organics
Date & Time Collected 01/11/90 10:30:00 Category LIQUID

CAS#	COMPOUND	RESULT	DET LIMIT
100-41-4	Ethyl benzene	BDL	5
100-42-5	Styrene	BDL	5
1330-20-7	Xylenes (Total)	BDL	5

SURROGATES

1,2-Dichloroethane-d4	104	% Recovery
Toluene-d8	107	% Recovery
p-Bromofluorobenzene	92	% Recovery

NOTES AND DEFINITIONS FOR THIS REPORT
DET LIMIT = DETECTION LIMIT
BDL = BELOW DETECTION LIMIT
* = SEMI-QUANTITATIVE SCREEN ONLY

TEST CODE M8240 NAME Volatile Organics

EPA Method 8240 (SW-846)

KEMRON
ENVIRONMENTAL SERVICES

ChesterLab
A Division of
TheChesterEngineers
4990 Grand Avenue
Pittsburgh, PA 15225
Phone (412)-269-5700

Laboratory Analysis Report
For
CHRYSLER MOTORS
ACUSTAR
DAYTON, OHIO

Report Date: 01/19/90

ANALYSES

Source	BOILER HOUSE WELL PUMP OUTLET S.P. #1,#2,#3,#4
Log Number 90-	00282
Date Collected	1/11/90
Time Collected	10:30 A.M.
Date Received	1/12/90
ACROLEIN, UG/L	<10
ACRYLONITRILE, UG/L	<10
BENZENE, UG/L	<10
BROMOFORM, UG/L	<10
CARBON TETRACHLORIDE, UG/L	<10
CHLOROBENZENE, UG/L	<10
CHLORODIBROMOMETHANE, UG/L	<10
CHLOROETHANE, UG/L	<10
2-CHLOROETHYLVINYL ETHER, UG/L	<10
CHLOROFORM, UG/L	<10
DICHLOROBROMOMETHANE, UG/L	<10
1,1-DICHLOROETHANE, UG/L	13
1,2-DICHLOROETHANE, UG/L	<10
1,1-DICHLOROETHYLENE, UG/L	85
1,2-DICHLOROPROPANE, UG/L	<10
cis-1,3-DICHLOROPROPENE, UG/L	<10
trans-1,3-DICHLOROPROPENE, UG/L	<10
ETHYLBENZENE, UG/L	<10
METHYL BROMIDE, UG/L	<10
METHYL CHLORIDE, UG/L	<10
METHYLENE CHLORIDE, UG/L	<10
1,1,2,2-TETRACHLOROETHANE, UG/L	20
TETRACHLOROETHYLENE, UG/L	<10
TOLUENE, UG/L	79
1,2-TRANS-DICHLOROETHYLENE, UG/L	132

350020

* Unless otherwise noted, analyses are in accordance with the methods and procedures outlined and approved by the Environmental Protection Agency and conform to quality assurance protocol.
* "Less-than" (<) values are indicative of detection limit.

JAN 19 '90 14 41

Laboratory Analysis Report
For
CHRYSLER MOTORS
ACUSTAR
DAYTON, OHIO

Report Date: 01/19/90

ANALYSES
(Continued)

SOURCE	BOILER HOUSE WELL PUMP OUTLET S.P. #1,#2,#3,#4
Log Number 90-	00282
Date Collected	1/11/90
Time Collected	10:30 A.M.
Date Received	1/12/90
1,1,1-TRICHLOROETHANE, UG/L	714 -
1,1,2-TRICHLOROETHANE, UG/L	<10
TRICHLOROETHYLENE, UG/L	646 -
VINYL CHLORIDE, UG/L	12 -

350020

* Unless otherwise noted, analyses are in accordance with the methods and procedures outlined and approved by the Environmental Protection Agency and conform to quality assurance protocol.
* "Less-than" (<) values are indicative of detection limit.

ACUSTAR - DAYTON PLANT

Telecopier Cover Sheet

Date: 4/6/90
6/8/90

To: LOU BLAIR

Telefax Number: 841-6821

Telephone Number: 841-6711

Total Pages Including Cover: 1

From: DOUG ORF

Telephone Number: 242-2467

Notes/Comments: Analysis from Boiler House well, hole in floor - Bldg 40 B & drum collections from hole in floor - Bldg 40 B. Had to go off Boiler House well on 3/14/90 - Bolding ruptured Tank is being repaired so we can go back on line

SUPPLY COMPANY

Industrial & Commercial Supplies / PIPE, VALVES, FITTINGS, FIXTURES

WAREHOUSES	2640 Lefferson Rd. MIDDLETOWN, OHIO 45042	615 West 9th St MUNCIE, INDIANA 47307

PHONES	Middletown, Ohio (513) 422 3674	Muncie Indiana (317) 289-7747	Dayton, Ohio (513) 222 71171

MIAMI CONSERV. 223-1271 WILL PROVIDE RAINFALL DATA

POST HOLE LOG

ITEM	1990		
1			
2	1-29*	2 1/2 GAL	4-6 5Qts
3	1-30*	1 1/2 GAL.	4-9 15 GAL
4	1-31*	1 1/2 GAL	4-10 3 GAL
5	2-1*	1 GAL	4-11 2 GAL.
6	2-2*	1 GAL	4-12 2 GAL
7	2-6	1 1/2 GAL	4-17 2 GAL.
8	2-7	1 GAL	4-18 1 GAL
9	2-8	1 GAL	4-19 2 1/2 GAL.
10	2-9	3/4 GAL	4-23 2 GAL.
11	2-13	1 GAL	4-24 1 GAL
12	2-15	1 GAL	5-11 24 GAL NEW DRUM
13	2-19	1/2 GAL.	5-17 5 GAL.
14	2-22	1/2 GAL	
15	2-23	1/4 GAL	
16	2-26	1/4 GAL	
17	2-27	1/4 GAL	
18	2-28	1/4 GAL	
19	3-2	1/4 GAL	
20	4-3	9 GAL	
21	4-4	1 GAL	
22	4-5	1 GAL	
23			
24			

*Indicates SAMPLE NOT SAVED

NET NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc
Dayton Division
3601 South Dixie Drive
Dayton, OH 45439
Tel (513) 294-6856
Fax (513) 294-7816

Formerly Howard Laboratories, Inc

ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

04-02-90

Sample No.: 21021

Sample Description: 3-6-90-01 Boiler House Well

Date Taken: 03-06-90

Date Received: 03-06-90

VOLATILE COMPOUNDS

METHOD 8240

Acetone	<10.	ug/L
Benzene	<5.	ug/L
Bromodichloromethane	<5.	ug/L
Bromoform	<5.	ug/L
Bromomethane	<5.	ug/L
2-Butanone	<10.	ug/L
Carbon disulfide	<5.	ug/L
Carbon tetrachloride	<5.	ug/L
Chlorobenzene	<5.	ug/L
Chloroethane	<5.	ug/L
Chloroform	<5.	ug/L
Chloromethane	<5.	ug/L
2-Chloroethyl vinyl ether	<300.	ug/L
Dibromochloromethane	<5.	ug/L
1,1-Dichloroethane	23.2	ug/L
1,2-Dichloroethane	<5.	ug/L
1,1-Dichloroethene	219.	ug/L
1,2-Dichloroethene(Total)	115.3	ug/L
1,2-Dichloropropane	<5.	ug/L
cis-1,3-Dichloropropene	<5.	ug/L
trans-1,3-Dichloropropene	<5.	ug/L
Ethyl benzene	<5.	ug/L
2-Hexanone	<10.	ug/L
Methylene chloride	<5.	ug/L
4-Methyl-2-pentanone	<5.	ug/L
Styrene	<5.	ug/L
1,1,2,2-Tetrachloroethane	<5.	ug/L
Tetrachloroethene	405.	ug/L
Toluene	<5.	ug/L
1,1,1-Trichloroethane	633.	ug/L
1,1,2-Trichloroethane	<5.	ug/L
Trichloroethene	452.	ug/L
Vinyl acetate	<5.	ug/L

John Andrycus

NET NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc
Dayton Division
3601 South Dixie Drive
Dayton, OH 45439
Tel (513) 294-6856
Fax (513) 294-7816

Formerly Howard Laboratories, Inc

ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

04-02-90

Sample No.: 21021

Sample Description: 3-6-90-01 Boiler House Well

Date Taken: 03-06-90

Date Received: 03-06-90

Vinyl chloride	~~28.8~~	ug/L
Xylenes, Total	<5.	ug/L

John Andreacio

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ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

04-02-90

Sample No.: 21022

Sample Description: 3-6-90-02 Hole in Floor

Date Taken: 03-06-90

Date Received: 03-06-90

VOLATILE COMPOUNDS

METHOD 8240

Acetone	212.	ug/L
Benzene	<10.	ug/L
Bromodichloromethane	<10.	ug/L
Bromoform	<10.	ug/L
Bromomethane	<10.	ug/L
2-Butanone	25.	ug/L
Carbon disulfide	<10.	ug/L
Carbon tetrachloride	<10.	ug/L
Chlorobenzene	<10.	ug/L
Chloroethane	1810.	ug/L
Chloroform	<10.	ug/L
Chloromethane	<10.	ug/L
2-Chloroethyl vinyl ether	<600.	ug/L
Dibromochloromethane	<10.	ug/L
1,1-Dichloroethane	606.	ug/L
1,2-Dichloroethane	<10.	ug/L
1,1-Dichloroethene	<10.	ug/L
1,2-Dichloroethene(Total)	348.	ug/L
1,2-Dichloropropane	<10.	ug/L
cis-1,3-Dichloropropene	<10.	ug/L
trans-1,3-Dichloropropene	<10.	ug/L
Ethyl benzene	<10.	ug/L
2-Hexanone	<20.	ug/L
Methylene chloride	<10.	ug/L
4-Methyl-2-pentanone	44.	ug/L
Styrene	<10.	ug/L
1,1,2,2-Tetrachloroethane	<10.	ug/L
Tetrachloroethene	<10.	ug/L
Toluene	<10.	ug/L
1,1,1-Trichloroethane	12.5	ug/L
1,1,2-Trichloroethane	<10.	ug/L
Trichloroethene	15.5	ug/L
Vinyl acetate	<10.	ug/L

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ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

04-02-90

Sample No.: 21022

Sample Description: 3-6-90-02 Hole in Floor

Date Taken: 03-06-90

Date Received: 03-06-90

Vinyl chloride	<10.	ug/L
Xylenes, Total	<10.	ug/L

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ANALYTICAL REPORT

Doug Orf
CHRYSLER CORPORATION
1600 Webster Street
Dayton OH 45404

04-02-90

Sample No.: 21023

Sample Description: 3-6-90-03 Drum by Hole

Date Taken: 03-06-90

Date Received: 03-06-90

VOLATILE COMPOUNDS

METHOD 8240

Acetone	<10.	ug/L
Benzene	<5.	ug/L
Bromodichloromethane	<5.	ug/L
Bromoform	<5.	ug/L
Bromomethane	<5.	ug/L
2-Butanone	<10.	ug/L
Carbon disulfide	<5.	ug/L
Carbon tetrachloride	<5.	ug/L
Chlorobenzene	<5.	ug/L
Chloroethane	277.	ug/L
Chloroform	<5.	ug/L
Chloromethane	<5.	ug/L
2-Chloroethyl vinyl ether	<300	ug/L
Dibromochloromethane	<5.	ug/L
1,1-Dichloroethane	<5.	ug/L
1,2-Dichloroethane	<5.	ug/L
1,1-Dichloroethene	<5.	ug/L
1,2-Dichloroethene(Total)	106.	ug/L
1,2-Dichloropropane	<5.	ug/L
cis-1,3-Dichloropropene	<5.	ug/L
trans-1,3-Dichloropropene	<5.	ug/L
Ethyl benzene	<5.	ug/L
2-Hexanone	<10.	ug/L
Methylene chloride	<5.	ug/L
4-Methyl-2-pentanone	<5.	ug/L
Styrene	<5.	ug/L
1,1,2,2-Tetrachloroethane	<5.	ug/L
Tetrachloroethene	6.1	ug/L
Toluene	<5.	ug/L
1,1,1-Trichloroethane	5.3	ug/L
1,1,2-Trichloroethane	<5.	ug/L
Trichloroethene	<5.	ug/L
Vinyl acetate	<5.	ug/L

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04-02-90

Sample No.: 21023

Sample Description: 3-6-90-03 Drum by Hole

Date Taken: 03-06-90

Date Received: 03-06-90

Vinyl chloride	<5.	ug/L
Xylenes, Total	<5.	ug/L

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04-02-90

Sample No.: 21022

Sample Description: 3-6-90-02 Hole in Floor

Date Taken: 03-06-90

Date Received: 03-06-90

VOLATILE COMPOUNDS

METHOD 8240

Acetone	212.	ug/L
Benzene	<10.	ug/L
Bromodichloromethane	<10.	ug/L
Bromoform	<10.	ug/L
Bromomethane	<10.	ug/L
2-Butanone	25.	ug/L
Carbon disulfide	<10.	ug/L
Carbon tetrachloride	<10.	ug/L
Chlorobenzene	<10.	ug/L
Chloroethane	1810.	ug/L
Chloroform	<10.	ug/L
Chloromethane	<10.	ug/L
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Dibromochloromethane	<10.	ug/L
1,1-Dichloroethane	606.	ug/L
1,2-Dichloroethane	<10.	ug/L
1,1-Dichloroethene	<10.	ug/L
1,2-Dichloroethene(Total)	348.	ug/L
1,2-Dichloropropane	<10.	ug/L
cis-1,3-Dichloropropene	<10.	ug/L
trans-1,3-Dichloropropene	<10.	ug/L
Ethyl benzene	<10.	ug/L
2-Hexanone	<20.	ug/L
Methylene chloride	<10.	ug/L
4-Methyl-2-pentanone	44.	ug/L
Styrene	<10.	ug/L
1,1,2,2-Tetrachloroethane	<10.	ug/L
Tetrachloroethene	<10.	ug/L
Toluene	<10.	ug/L
1,1,1-Trichloroethane	12.5	ug/L
1,1,2-Trichloroethane	<10.	ug/L
Trichloroethene	15.5	ug/L
Vinyl acetate	<10.	ug/L

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Xylenes, Total	<10.	ug/L

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